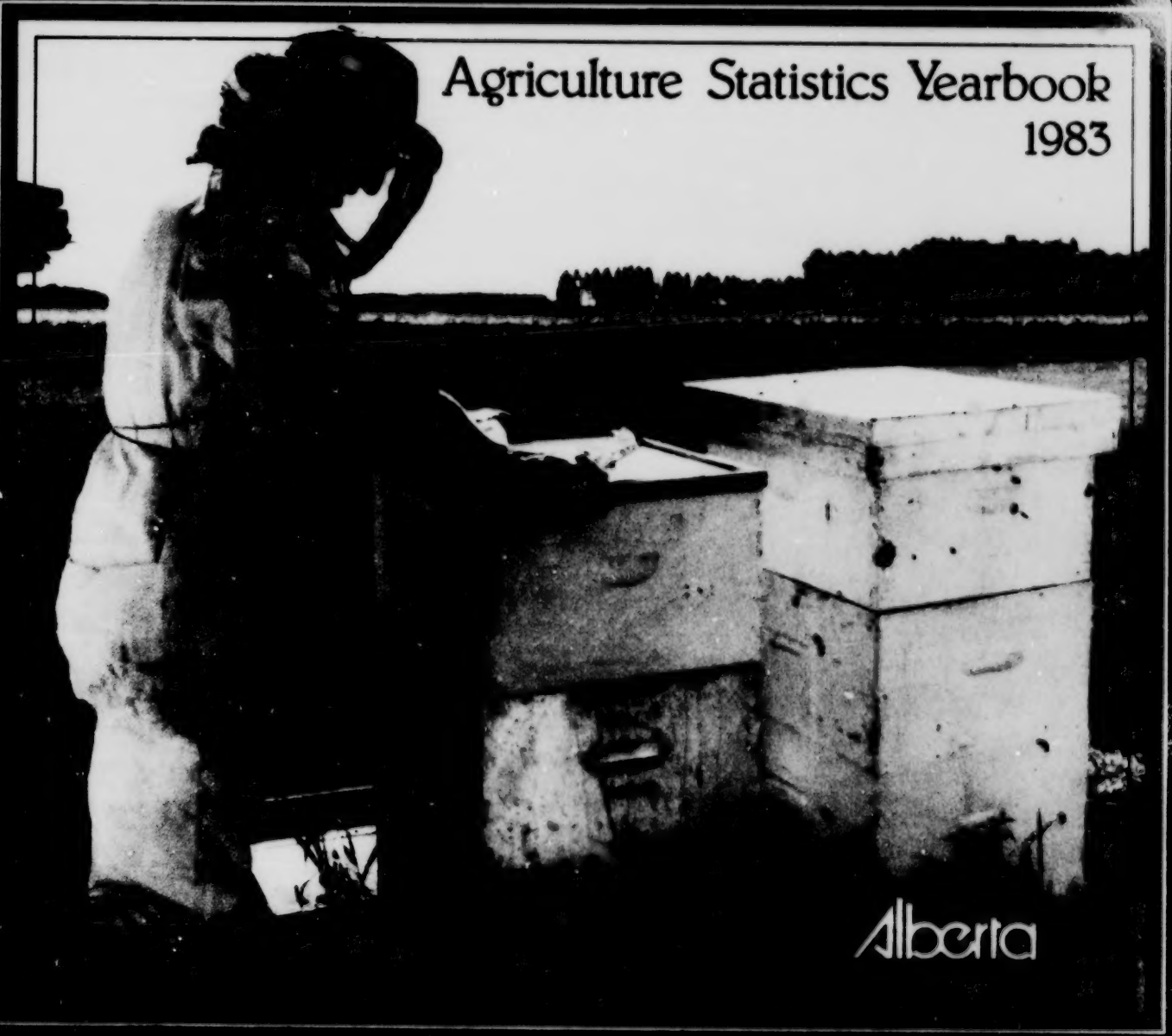
Agriculture Statistics Yearbook 1983



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PREFACE

The Agriculture Statistics Yearbook for Alberta provides 1983 statistics where available, with the most current statistics otherwise, thereby serving as a reference to those interested in agriculture in Alberta. Although several graphs and short tables date back a few years, long term data and tables for years prior to 1982 may be obtained from the Statistics Branch. In addition, we remind users that the data in this publication is subject to revision.

Statistics Branch publishes and revises much of the data in this publication throughout the year. This data is released on statistics fact sheets and this format may be more appropriate for those individuals wishing only selected pages of this publication. If this is the type of information you require please contact us at any time during the year.

Data was derived from several sources with major contributions made by the Agriculture Statistics Division, Statistics Canada in cooperation with Alberta Agriculture. We also gratefully acknowledge the cooperation of Agriculture Canada and contributions of other federal and provincial departments mentioned within Sources and Methods located at the back of this publication.

Special appreciation is extended to all the agricultural producers and processors that responded to surveys or supplied other information to either Statistics Canada or Alberta Agriculture.

Evaluation of this publication and suggestions for improvements will be greatly appreciated and should be forwarded to Statistics Branch, Alberta Agriculture, Edmonton.

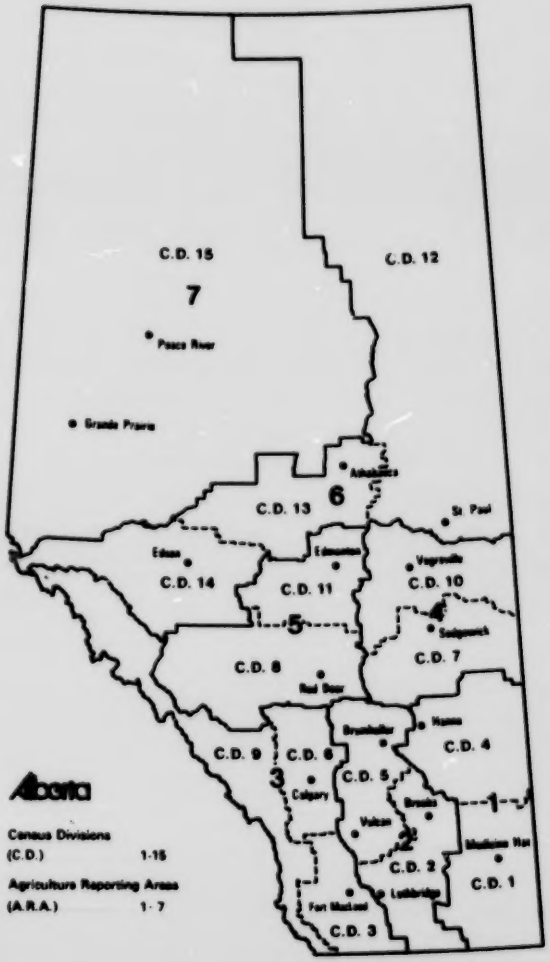

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Table 1
PRODUCTION AND GROSS FARM VALUE OF AGRICULTURAL PRODUCTS

	Production		Value Per Unit		Total Value	
	1982	1983	1982	1983[p]	1982	1983[p]
	- tonnes -		- dollars -		- dollars -	
Field Crops:						
Wheat	6 042 000	6 804 000	167.20	174.50	1,010,222,000	1,187,298,000
Oats for grain	1 357 000	1 049 000	75.20	90.80	102,046,000	95,249,000
Barley for grain	6 684 000	5 291 000	84.00	117.10	561,456,000	619,576,000
Rye	228 600	223 500	85.80	102.40	19,614,000	22,886,000
Mixed grains	163 000	155 000	88.20	110.70	14,377,000	17,158,000
Flaxseed	76 200	28 000	244.10	313.00	18,600,000	8,764,000
Canola/Rapeseed	975 000	1 111 000	277.80	385.80	270,855,000	428,624,000
Mustard seed	27 200	24 900	286.60	374.80	7,796,000	9,332,000
Potatoes	191 900	199 600	106.90	126.80	20,514,000	25,309,000
Sugar beets	475 000	570 000	45.51	46.30	21,617,000	26,391,000
Tame hay	5 533 800	6 532 000	79.40	80.50	439,384,000	525,826,000
Other Field Crops					84,291,000	94,082,000
Total Field Crops					2,570,772,000	3,060,495,000
Livestock and Livestock Products:						
Cattle and Calves					932,615,000	931,745,000
Hogs					223,818,000	211,804,000
Sheep and Lambs					5,349,000	5,298,000
Total Livestock					1,161,782,000	1,148,847,000
Dairy					212,647,000	212,351,000
Poultry and Eggs					112,397,000	128,495,000
Honey					13,074,000	14,124,000
Other Livestock and Products					1,984,000	1,822,000
Total Livestock and Products					1,501,884,000	1,505,639,000

[p] preliminary

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1983 IN REVIEW

Total Farm Cash Receipts to Alberta Farmers in 1983 are estimated at $3,683 million down 3.2% from 1982. Receipts for the crop sector improved 2.1% over 1982, rising $42 million to $2,008 million. Receipts for the livestock sector were down 9%, declining $166 million to $1,671 million. The increase in crop receipts was primarily due to sharply rising feed grain and rapeseed prices and record wheat and barley deliveries to primary elevators. Excluding the cash payments of $141 million under the Alberta Cattle and Sheep Support program, 1983 receipts were comparable to 1982. Crop receipts exceeded livestock receipts for the third consecutive year. This has not occurred since 1951-54.

Large world carry-over and record production in 1983 placed world wheat supplies at unprecedented levels. Burdensome supplies and stiff export competition between wheat exporting countries pressured wheat prices downward. Despite lower initial wheat payments for both the 1982-83 and 1983-84 crop years, Farm Cash Receipts for wheat increased to $1,001 million in 1983. Wheat deliveries to Alberta primary elevators reached a record high in 1983 and exceeded the previous record in 1981 by 3.7%, and 1982 deliveries by 6%. Canadian Wheat Board final payments in January of 1983 on 1981-82 crop deliveries were up $21 million to help raise cash receipts for wheat.

Barley deliveries to Alberta primary elevators reached a record high in 1983. Deliveries were down 9% for the first seven months but increased 42 % over the August to December period resulting in 1983 deliveries surpassing the previous 1982 record by 7%. Drought in the U.S. combined with acreage reduction programs and P.I.K., reduced world feed grain supplies, improving Canadian export sales for barley in the last five months of 1983. Although deliveries were higher, Farm Cash Receipts for Barley declined 9% from $469 million in 1982 to $425 million in 1983. The initial payments for barley during January to July (82/83 crop year) and August to December (adjusted initials 83/84) were lower than for the same periods in 1982 (81/82 and 82/83 crop years respectively). In addition, final payments received in 1983 totalled $20 million less than in 1982.

Farm Cash Receipts for Canola increased 24% from $248 million in 1982 to $308 million in 1983. For the first seven months of 1983 prices averaged 3 to 4% lower than the previous year and deliveries to primary elevators fell 16%. Deliveries to process elevators, however, increased. The U.S. drought reduced soybean yields resulting in tight world oilseed supplies and sharply rising prices. Higher prices for canola combined with an increase in quota to primary elevators encouraged producer deliveries over the August to December period. Stronger oil and meal prices in the latter half of 1983 also allowed crushers to improve crushing margins and maximize crushing volumes. In total, annual deliveries to process elevators rose 54% but fell 1% at primary elevators.

Losses paid out by the Alberta Hail and Crop Insurance Corporation reached a record level in 1983. Receipts from crop insurance were $100 million up 22% from $82 million in 1982. Indemnities paid on hail claims fell 23% while indemnities paid on crop claims rose 37%. The increase in crop insurance claims is attributed to both an increase in the number of farmers seeking crop insurance and crop losses. An additional $10 million was also paid out early in the year under the Northern Drought Disaster Crop Advance Assistance Program for the 1982 crop.

Farm Cash Receipts for Cattle and Calves in 1983 are estimated at $1,090 million, down 12%. Excluding the cash payment of $141 million made in 1982 under the Alberta Cattle and Sheep Support Program, 1983 receipts were comparable to 1982. Until the fourth quarter, total cattle slaughter surpassed the 1982 kill for the same period. During the fourth quarter however, total cattle slaughter and slaughter within each class declined. For the year, steer slaughter was up 3% and cow and heifer slaughter down 11 and 2%, respectively. Total cattle and calf slaughter declined 1% from 1982. Cattle export numbers fell 13.6% and interprovincial shipments 7.3%.

Farm Cash Receipts in 1983 to Alberta hog producers are estimated at $201 million, down 9.5%. Lower prices during the last three quarters were responsible for the decline in receipts as numbers of slaughter hogs of Alberta origin rose 4.4% over 1982. The weighted average annual price for 100 index hog averaged 15% lower than in 1982. The Alberta Pork Producers Market Insurance Plan (P.P.M.I.P.), which covers 75-80% of the pigs produced, upholds producer income to the level of the cost-base indemnity price. Net payments of $2 million dollars were paid to producers under the plan.

Farm Cash Receipts for Dairy in 1983 are estimated at $224 million down 1%. Due to production cutbacks, total farm sales for the fluid market dropped 1.7%. The effect of production cutbacks on dairy receipts was further accentuated by a 3% decline in sales allocated to the higher valued Class 1 milk. The decline in Class 1 milk sales, used in producing table milk for the retail market, results from reduced milk consumption in Alberta. Both industrial milk and cream production also declined, falling 10.6 and 21.3%, respectively. Overall, milk and cream production under M.S.Q. dropped 5%. Producers cut back milk production during the first half of 1983 to avoid over-quota levies charged on production exceeding M.S.Q. allotment; and continued with production cutbacks in the fall of 1983. Tempering production cutbacks, fluid and industrial milk prices rose 4.3 and 4.9% since the beginning of the 1982/83 dairy year.

Total Operating Expenses declined 1.7% to $2,437 million in 1983. This downturn in total expenses was the combined result of lower inflation, interest rates, feed grain and fertilizer prices. Of the $2,437 million in Operating Expenses, Machinery Expenses which includes machinery repairs, fuel and lubricants, was the largest expenditure component at $569 million.

Significant to farm expenses was the decline in interest payments. Interest payments for 1983 were estimated at $365 million, 17% or $74 million lower than in 1982. Interest rates remained stable in 1983, with chartered banks' annual prime rate averaging 11.2%, 4.6 percentage points below the 1982 rate of 15.8.

Feed expenses for 1983 were estimated at $214 million down 11.4%. Lower barley prices contributed to the decrease in feed expenses. A.I.M.S. reports the average price for No. 1 feed barley dropped 11.9% from $103.80/tonne in 1982 to $91.40/tonne in 1983. Prices for calf starter and minerals declined 1 to 2% while prices for livestock supplement increased between 2 to 6%.

Changes in Depreciation Charges on Buildings and Machinery reflect a) new purchases and construction, b) revaluation of current stocks, and c) deterioration and obsolescence of machinery and structures. Machinery Depreciation Charges increased 2% to $583 million despite a decrease in machinery purchases. Adjusted to current market values, the value of existing machinery rose. This offset the effect of lower new machinery purchases and resulted

in an overall increase in Depreciation Charges. Building Depreciation Charges declined from $125 million to $117 million in 1983. The decrease is attributed to devaluation of building values and a slowdown in construction starts.

Total Operating and Depreciation Charges decreased by 1.3% to $3,137 million in 1983. As a percentage of Farm Cash Receipts, Operating and Depreciation Charges comprised 85.2% in comparison to 83.6% in 1982. This increase on Operating Expenses and Depreciation Charges as a percent of Farm Cash Receipts narrows the margin required to meet financial commitments such as principal paydown on outstanding long term farm debt and living expenses.

Realized Net Income fell 12.2% to $582 million in 1983. Farm Cash Receipts were responsible for the drop in Realized Net Income. Total Net Income fell $248 million, 39.9%, from 1982. Contributing to the decline was a decrease in Farm Cash Receipts of $120 million and Value of Inventory Change of $168 million. Total Farm Operating Expenses and Depreciation Charges, however, dropped $40 million reducing the extent to which Total Net Farm Income declined. While cattle stocks continued to decline in 1983, depleted grains stocks were largely responsible for the drop in Value of Inventory Change.

Canadian Wheat Board initial payments for 1982-83 basis Edmonton/Calgary (deductions made for elevation charges and removal of dockage) were as follows: No. 1 C.W. Red Spring $162.93/tonne, Barley No 1 Feed $96.79 and Oats No. 1 Feed $74.74. For the 1983-84 crop year, effective to December 31, 1983 initial payments were slightly lower for wheat and barley set at $158.24 and $96.54. Including the adjustment to the initial payment for oats, prices were higher at $84.44. Estimated 1983 average prices for Non-Board rye, flaxseed and canola were $94, $266 and $314/tonne, respectively.

Changes in the average annual prices for farm inputs from 1982 to 1983 were variable. While prices for most farm inputs increased between 2 and 18%, a decrease in price between 0 and 12% were realized for several items. Price increases for inputs surveyed by A.I.M.S. were; lumber 16.2%, mechanical repairs 6.3%, farm labour 4.1%, self propelled machinery 6.5 to 7.5%, hay 4.6%, purple gasoline and diesel 6.7 to 6.9% and propane 17.93%. Prices declined 12% for feed barley, 2 to 6% for fertilizer, 5.4% for 2,4-D and 6 to 12.3% for seed wheat and barley.

Cattle prices in 1983 fluctuated above and below 1982 prices. Overall, the weighted average annual price for steers declined 2 to 3%, while cow prices rose 4% and feeders 7%. Slaughter steer prices averaged higher in the first quarter of 1983, fell below 1982 prices during the second and third quarter then gained strength resulting in a slightly higher fourth quarter price in 1983. Slaughter cow prices were higher in the first half of 1983 peaking at $52.13/cwt., but fell through the third quarter, increasing in December to equal the 1982 fourth quarter weighted average price. Prices for feeder cattle 600-700 pounds in Edmonton were consistently higher throughout 1983 peaking at $81.93/cwt. in July, averaging $79.22/cwt. for the year.

Hog prices in 1983 averaged lower than in 1982. Prices for Index 100 hogs in Edmonton were higher in the first quarter of 1983, peaking at an annual high in February of $86.33/cwt. Prices then dropped to the high $60's in the second and third quarter, further declining in the fourth quarter to the high $50's and low $60's. The average weighted annual price for the year was $69.80/cwt., a decrease of 15% from $82.23/cwt. in 1982.

Edmonton prices for lambs 80 pounds and up averaged higher in 1983 at $59.28/cwt. up from $56.85/cwt. in 1982. Prices rose from the lower

$50's the previous December to the low $70's in May, declined to the low $50's July through September, rising again to the mid $60's in December.

The Alberta Government continued to provide numerous agricultural assistance programs in 1983. The scope of programs offered was broad, providing financial assistance for agriculture research, Alberta farmers to reduce farm expenses and improve farm income, through to development and expansion of agriculture processing.

The Farming for the Future Research Program implemented in 1979 was designed to improve the long-term viability of Alberta's agricultural industry and net farm incomes in the province. In 1983-84, 142 projects were funded at a cost of $7.0 million under the Research Program, with an additional $114,000 funded for 19 projects under the Graduate Student Research Support Program. To aid in the process of technology transfer, $315,000 was disbursed for 75 on-farm testing and demonstration programs in 1983.

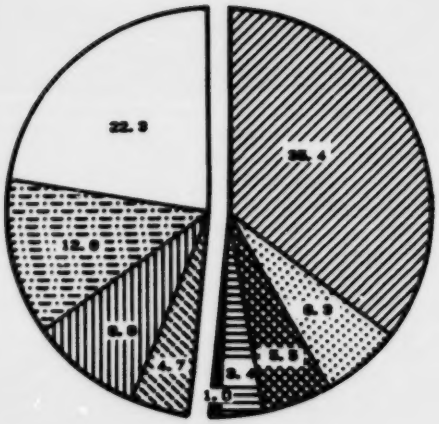
To increase farm income through the improvement and development of agricultural land, the Range and Soil Improvement Program was established. The program administered by the Alberta Agricultural Development Corporation guarantees loans up to a maximum of $10,000 per farm family for the purpose of brushing and breaking uncultivated land, brush control through mechanical and boilogical means, liming and range weed control An incentive of $70 per $1,000 of original loan is payable each year for a maximum of five years.

In addition to the assistance provided under the Range and Soil Improvement Program for liming, the Agricultural Lime Freight Assistance Program was continued. The purpose of the program is to assist farmers defray the cost of transporting lime to areas with acidic soils. Alberta producers are eligible to receive a grant of 80% on that portion of transportation charges exceeding $5.50 per tonne for agricultural lime and 50% of the transportation costs for marl up to $5.50 per cubic meter.

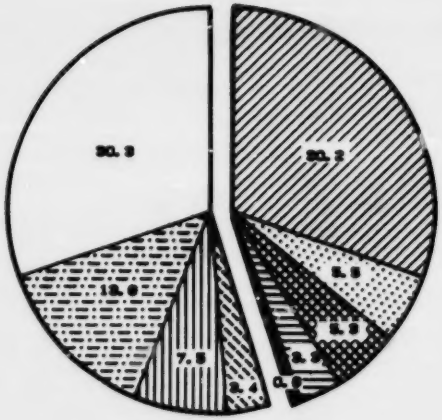
Under the Alberta Farm Fuel Distribution Allowance Program, Alberta farmers continued to receive a 7¢ per litre discount on purple gas, purple diesel fuel and purple heating oil. The discount is estimated to provide a savings of $1,100 per farm. Farm property taxes were also reduced through the Alberta Property Tax Reduction Plan. The Provincial School Foundation portion of the municipal mill rate is removed ensuring a minimum property tax reduction of $200 or total municipal taxes if less than $200.

The creation of the Alberta Small Business and Farm Interest Sheilding Program in 1982 further helped to reduce farm expenses. The two year program was designed to reduce loan interest rates to an effective minimum rate of 14.5% with interest reimbursement up to a maximum of 20.5% interest. In 1983, $25.6 million interest reimbursement was paid to Alberta farmers.

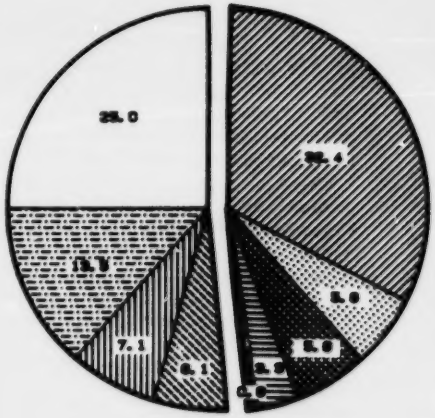
Supporting the development and expansion of agriculture processing 89 firms received financial assistance totalling $3.3 million under the Canada-Alberta Nutritive Processing Agreement. This agreement provides grants for the research and development of new products and the building and modernization of nutritive processing facilities. The Canada-Alberta Nutritive Progessing Agreement is equally funded and jointly adminstered by the federal and provincial governments.



1973-1982 AVERAGE



1981

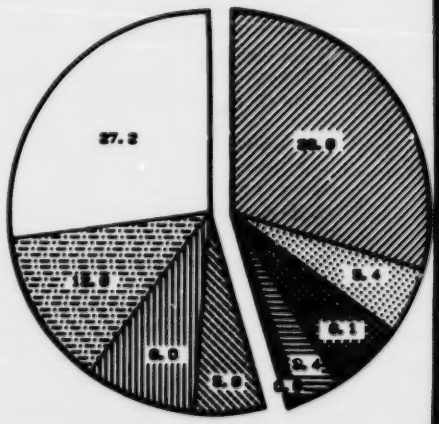


1982

SOURCE OF FARM INCOME (PER CENT)

- WHEAT
- COARSE GRAINS
- OILSEEDS
- OTHER FIELD CROPS
- CATTLE AND CALVES
- HOGS
- DAIRY
- POULTRY AND EGGS
- OTHER LIVESTOCK

Alberta AGRICULTURE



1983

Table 2
CASH RECEIPTS FROM THE SALE OF FARM PRODUCTS

	1982		1983[P]	
	$'000	% of Total	$'000	% of Total
Wheat	953,000	25.1	1,001,000	27.2
Oats	24,000	0.6	22,000	0.6
Barley	469,000	12.3	425,000	11.5
Western Grain Stabilization	0	0	0	0
Crop Insurance Payments	82,000	2.2	100,000	2.7
C.W.B. Net Cash Advance & Deferments	37,000	1.0	-22,000	-0.6
Rye	19,000	0.5	15,000	0.4
Flaxseed	14,000	0.4	17,000	0.5
Canola/Rapeseed	248,000	6.5	308,000	8.4
Sugar Beets	19,000	0.5	30,000	0.8
Potatoes	25,000	0.6	24,000	0.6
Vegetables	15,000	0.4	16,000	0.4
Floriculture and Nursery	26,000	0.7	28,000	0.8
Other Crops	35,000	0.9	44,000	1.2
Total Crops	1,966,000	51.7	2,008,000	54.5
Cattle and Calves	1,233,000	32.4	1,090,000	29.6
Hogs	222,000	5.8	201,000	5.5
Sheep and Lambs	5,000	0.1	5,000	0.1
Dairy Products	226,000	6.0	224,000	6.1
Poultry and Eggs	124,000	3.3	124,000	3.4
Other Livestock	27,000	0.7	27,000	0.7
Total Livestock and Products	1,837,000	48.3	1,671,000	45.4
Other Cash Receipts	0	0	4,000	0.1
Total Cash Receipts	3,803,000	100.0	3,683,000	100.0

[P] preliminary

Note: Interim and final payments received through the Canadian Wheat Board on participation certificates (wheat, oats and barley) are included in the calendar year in which payments were received by farmers. Deficiency payments are included with products where applicable.

Table 3
NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	1982	1983[P]	% Change
	- thousand dollars -		
1. Total Cash Receipts	3,803,000	3,683,000	- 3.2
2. Income in Kind	37,000	36,000	- 2.7
3. Realized Gross Income (1+2)	3,840,000	3,719,000	- 3.2
4. Operating and Depreciation Charges	3,177,000	3,137,000	- 1.3
5. Realized Net Income (3-4)	663,000	582,000	- 12.2
6. Value of Inventory Changes	- 44,000	-212,000	- 381.8
7. Total Gross Income (3+6)	3,796,000	3,507,000	- 7.6
8. Total Net Income (7-4)	619,000	370,000	- 40.1

Table 4
INCOME IN KIND

	1982	1983[P]	% Change
	- thousand dollars -		
Dairy Products	3,777	3,090	- 18.2
Poultry and Eggs	3,110	2,977	- 4.3
Meat	14,007	14,585	+ 4.1
Fruit and Vegetables	9,339	8,052	- 13.8
Honey and Maple Products	80	72	- 10.0
Forest Products	6,748	7,362	+ 9.1
Wool	9	11	+ 22.2
Total	37,070	36,149	- 2.5

[P] preliminary

Table 5
FARM OPERATING EXPENSES AND DEPRECIATION CHARGES

	1982	1983[P]	% Change
	- thousand dollars -		
Taxes	50,000	53,000	+ 6.0
Gross Farm Rent	167,000	162,000	- 3.0
Wages	182,000	191,000	+ 4.9
Interest	439,000	365,000	- 16.9
Fuel and Lubricants	282,000	312,000	+ 10.6
Machinery Repairs and Expenses	256,000	257,000	+ 0.4
Fertilizer	279,000	268,000	- 3.9
Other Crop Expenses	153,000	159,000	+ 3.9
Feed	236,000	214,000	- 9.3
Other Livestock Expenses	130,000	125,000	- 3.8
Repairs to Buildings	50,000	54,000	+ 8.0
Electricity and Telephone	62,000	65,000	+ 4.8
Miscellaneous	194,000	212,000	+ 9.3
Total Operating Expenses	2,480,000	2,437,000	- 1.7
Depreciation Building and Machinery	697,000	700,000	+ 0.4
Total Expenses	3,177,000	3,137,000	- 1.3

[P] preliminary

Table 6
1983 AVERAGE FARM INPUT PRICES

	Jan.-Mar.	April-June	July-Sept.	Oct.-Dec.	1983 Average
Lumber, 2X4, spruce, M	$ 308.20	$ 336.83	$ 382.04	$ 344.52	$ 342.90
Sheathing, Ply, 9.6 mm, 4'X8' sht	9.19	9.67	10.94	10.44	10.06
Cement, 40 kg	8.21	8.20	8.25	8.26	8.23
Paint, barn,oil base gal	20.67	21.08	21.15	21.16	21.02
Pipe Plastic, 3/4", 100' coil	19.41	18.85	18.81	18.64	18.93
Rods, Re-Enforcing 10mm X 6m	5.06	4.75	4.48	4.41	4.68
Barbed Wire, 12 gauge, dble. strd	50.61	48.80	48.09	47.57	48.77
Truck Tires, G78X15C, ea	70.79	72.53	71.75	75.24	72.58
Battery, 12v., 60/70 amp. ea	65.98	65.27	65.28	64.26	65.20
V Belt, 1/2"X70", ea	8.79	8.76	8.78	8.85	8.80
Antifreeze, 4 litres	7.82	7.85	7.77	7.40	7.71
Mechanical Repairs, per hour	29.67	30.13	30.74	30.77	30.33
Baler Twine, sisal 9000' bale	26.77	26.59	26.23	25.92	26.38
Farm Labour, per month	1092.50	1082.69	1097.65	1081.88	1088.68
Tractor, 100 h.p.	48543.59	52171.62	52538.23	52406.80	51415.06
Tractor, 170 h.p.	79628.17	82247.59	84155.31	83951.88	82495.74
Combine, Self-Propelled	85375.55	88605.86	86936.98	88296.04	87303.61
Cultivator,hvy., 20'/up	8971.55	8935.35	9129.14	9420.70	9114.18
Baler, Pull Type	10688.68	11139.52	11215.83	11649.98	11173.50
Double Disc, light 14'/up	8196.21	8646.58	8580.35	8474.85	8474.50
Truck, 1/2t., Ford/Chev	9797.74	9684.70	9752.08	10045.33	9819.96
Calf Starter Supp., (20-24%), 25 kg	7.83	7.79	8.10	8.19	7.98
Dairy Supp., (32%), 25 kg	8.07	8.06	8.45	8.75	8.33
Hog Concentrate, (40%), 25 kg	10.91	11.34	11.47	11.92	11.41
Poultry Concentrate, (34%) 25 kg	10.59	10.74	10.87	11.24	10.86
Cattle Mineral, 25 kg	16.49	16.41	16.23	16.19	16.33
Feed Barley, No. 1, bu	1.97	1.88	1.90	2.24	1.99
Hay, baled, ton	73.60	75.88	74.74	73.82	74.51
Fertilizer, 34-0-0, tonne	240.00	246.45	247.63	241.95	244.01
Fertilizer, 11-51-00, tonne	385.75	393.90	394.42	387.46	390.38
2,4-D, Low Volatile, 20 litre	67.37	66.67	65.97	65.55	66.39
Avadex BW, liquid, 5 gal	158.15	161.57	162.05	163.83	161.40
Penicillin, 100 cc	5.44	5.33	5.31	5.20	5.32
Vitamin A D E, 100 cc	5.21	5.09	5.27	5.02	5.15
Tetracycline, 1b	6.95	7.38	6.90	7.11	7.09
Seed, Wheat, 100 kg	28.15	29.54	30.30	30.77	29.69
Seed, Barley, 100 kg	23.90	24.31	25.07	26.86	25.04
Purple Gasoline, 100 litres	27.22	29.34	29.63	29.75	28.98
Diesel Fuel, 100 litres	26.90	29.03	29.26	29.47	28.66
Propane, 100 litres	20.90	21.03	21.43	21.62	21.24
Natural Gas, GJ	3.04	3.04	3.05	3.04	3.04

Table 7
FARM WAGES

	Per Day		Per Month	
	1982	1983	1982	1983
	- dollars -			
With Board:				
February 15	35.74	36.38	792.00	820.00
May 15	35.74	36.82	802.00	839.00
August 15	35.74	36.82	802.00	842.00
November 15	36.38	37.04	809.00	848.00
Without Board:				
February 15	44.62	45.70	962.00	1,022.00
May 15	44.62	46.07	975.00	1,028.00
August 15	45.29	46.07	999.00	1,029.00
November 15	45.38	47.18	1,003.00	1,029.00

Table 8
FARM CAPITAL

	Land and Buildings	Livestock and Poultry	Implements and Machinery	Total
		- thousand dollars -		
1961	1,715,367	452,920	550,876	2,719,163
1962	1,820,027	457,967	573,655	2,861,649
1963	1,994,843	495,326	604,641	3,094,810
1964	2,238,665	528,000	654,530	3,421,195
1965	2,587,147	504,916	713,757	3,805,820
1966	2,865,472	567,192	785,032	4,217,696
1967	3,206,599	604,245	843,354	4,654,198
1968	3,479,502	579,155	901,989	4,960,646
1969	3,409,912	746,291	934,211	5,090,414
1970	3,240,849	797,276	956,970	4,995,095
1971	3,530,252	803,855	867,446	5,201,553
1972	4,143,591	1,016,172	905,851	6,065,614
1973	5,181,261	1,380,491	986,590	7,548,342
1974	6,975,770	1,366,308	1,275,851	9,617,929
1975	8,957,880	1,024,330	1,726,808	11,709,018
1976	10,627,528	1,125,454	2,110,053	13,863,035
1977	12,523,091	1,099,894	2,430,618	16,053,603
1978	14,942,972	1,710,604	2,791,088	19,444,664
1979	21,172,490	2,478,357	3,297,240	26,948,087
1980	27,137,589	2,551,751	3,842,797	33,532,137
1981	29,961,159	2,531,865	4,362,215	36,855,239
1982	30,260,771	2,523,719	4,614,416	37,398,906
1983[p]	28,445,125	2,496,695	4,697,963	35,639,783

[p] preliminary

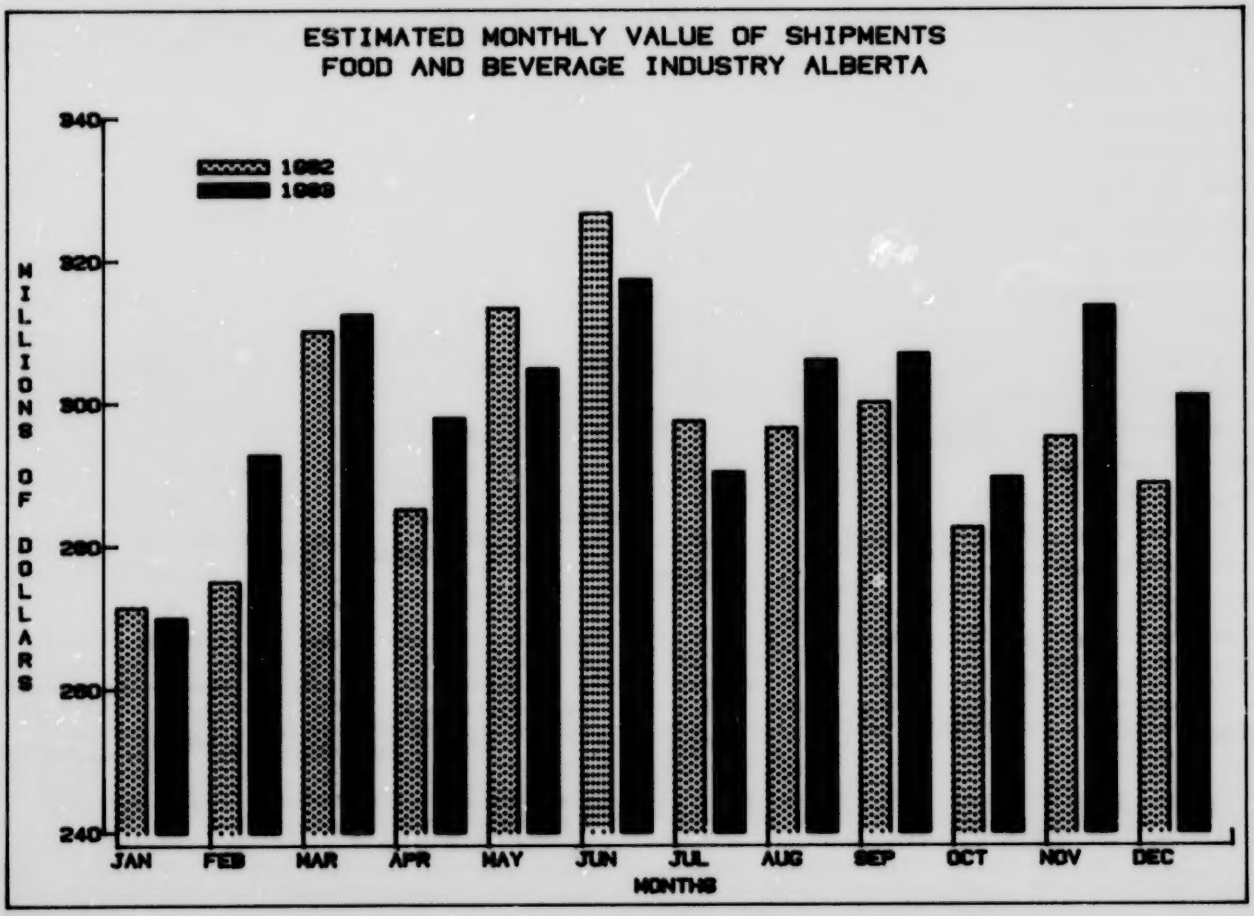
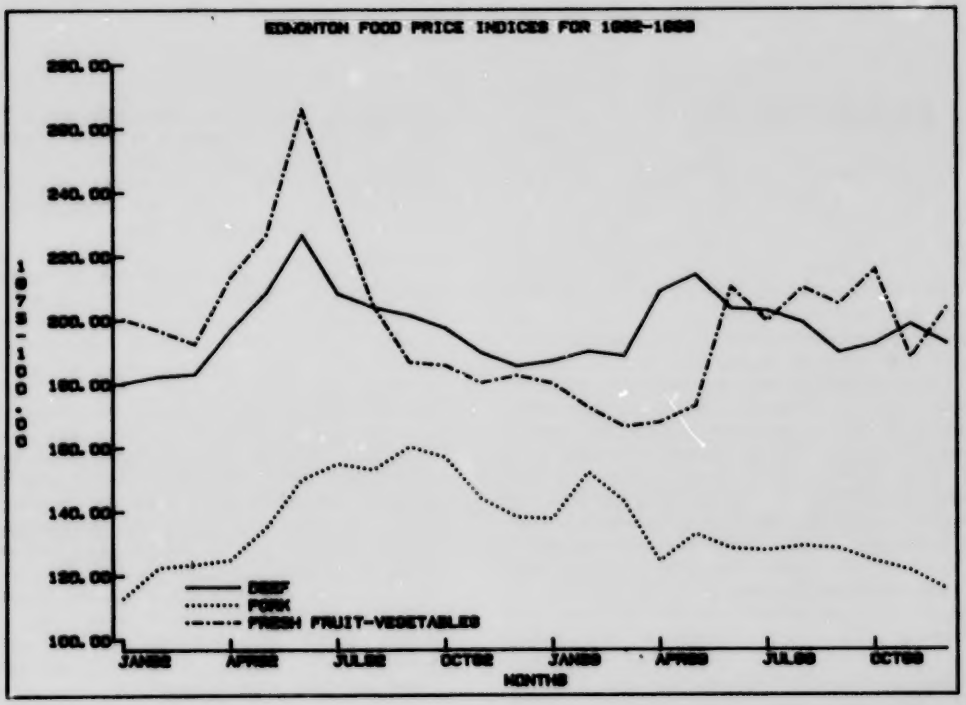

ESTIMATED MONTHLY VALUE OF SHIPMENTS
FOOD AND BEVERAGE INDUSTRY ALBERTA
1982
1983
MILLIONS OF DOLLARS
340
320
300
280
260
240
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS

Table 9
FOOD AND BEVERAGE INDUSTRY

	Establishments			Value of Shipments		
	1980r	1981r	1982p	1980r	1981r	1982p
	- number -			- $'000 -		
Slaughtering and Meat Packing	72	64	63	1,702,158	2,001,206	2,040,693
Poultry Processors	5	5	6	101,544	119,385	137,299
Fruit and Vegetable Canners and Preservers.	3	5	5	*	24,272	24,535
Frozen Fruit and Vegetable Processors	2	2	2	*	*	*
Dairy Products	38	34	30	357,218	405,628	437,621
Flour and Breakfast Cereals	5	5	5	87,240	115,039	107,497
Feeds	77	72	67	255,259	295,142	272,757
Bakeries	139	130	126	96,867	109,353	117,876
Biscuits	1	1	1	*	*	*
Confectionery	2	2	2	*	*	*
Cane and Beet Sugar	1	1	1	*	*	*
Vegetable Oil Mills	4	5	5	*	*	*
Miscellaneous Food Processors, n.e.s.	20	26	28	139,809	163,390	161,445
Soft Drink Manufacturers	15	14	14	122,481	148,207	158,464
Distillers	3	3	3	*	*	*
Breweries	5	5	5	53,995	123,926	118,090
Wineries	2	3	3	*	*	*
Total	394	377	366	3,324,411	3,998,015	3,971,659

* confidential
n.e.s. - not elsewhere specified
p - preliminary
r - revised



Retail prices of 60 food items are collected each week at the stores of major food chains in Edmonton and Calgary. Prices are weighted to account for the estimated market share held by each chain as well as the relative importance of each item in the total food at home budget.

The retail price index of beef increased until June of 1982 and then declined during the next six months. In 1983, the index rose January through May, peaking below that of the previous year, followed by fluctuating downward movement over June to December.

After continuously rising until October of 1982, the retail pork price index declined until year end. The index recovered sharply in February of 1983, but dropped steadily throughout the rest of the year to a level slightly above that of January 1982.

The retail price index of fresh fruit and vegetables rose to a record level in June of 1982, fell sharply over July and August and continued to decline steadily until March of 1983. The index rose in June, fluctuated about this level until late fall when it dropped again, ending the two year period just 3 points above the January 1982 levels.

FIELD CROPS

Alberta farmers seeded a record number of acres to crops in 1983. Summerfallow acreage at 4.9 million acres versus the 5.25 million acres in 1982 reached the lowest level since 1939 when Alberta had an estimated 4.6 million acres of summerfallow. Wheat production reached record levels in 1983 at 6.8 million tonnes (250 million bushels). This record wheat crop was grown on 7,700,000 acres, an increase of 12% over the 1982 area of 6,850,000 acres. Total production of the six principal grains and oilseeds totalled 14.5 million tonnes, a 6% decrease from 1982 production and a 7% decrease from Alberta's record 1981 production of 15.57 million tonnes.

The winter of 1982 - 83 was characterized by warm temperatures and light snowfall. Winter kill on wheat seeded in the fall of 1982 was estimated at 9% compared to 18% the previous year. Fall rye winter kill, estimated at 8%, was unchanged from the winter of 1981 - 82. In March of 1983 concern was mounting regarding the light snowfall not being sufficient to replenish soil moisture reserves. Fortunately, late winter precipitation and limited spring runoff provided some improvement. When producers started seeding it was felt there was enough moisture for germination but rain would be needed soon to ensure proper crop growth.

Farmers throughout Alberta commenced their spring field work early in April. Fertilizer and herbicide applications as well as tillage and seeding operations had began throughout Alberta by the third week of April. Cooler temperatures combined with rain and snow during the last week of April slowed seeding progress but by mid May about one third of Alberta's acreage was seeded. Anticipating the cool temperatures would delay crop development, some producers delayed seeding operations until weather conditions improved. Many producers in the Northeast and Northwest Regions who were concerned about low soil moisture levels packed their fields after cultivation just to conserve moisture. Producers were estimated to be 90% completed planting their 1983 crop by the end of May.

In early June producers were reporting patchy germination. Many early seeded crops had uneven crop development as a result of crusting or cool soil temperatures even though moisture levels were adequate. Later seeded crops were also patchy as a result of being sown into fields dried from cultivation, incorporation of herbicides, winds and limited precipitation. There was a strong need for moisture but the first significant rain on the June 11 weekend fell throughout the Peace River Region and around the Athabasca, Lac La Biche and Bonnyville areas of the Northwest and Northeast Regions. Not until June 18 and 25 did central and northern Alberta receive urgently needed rain. This rain was just in time to relieve drought stressed spring seeded crops and improved their yield potential. Unfortunately areas south of Calgary received only light rain showers and needed additional moisture to improve deteriorating crop prospects.

Heavy rains in central and northern parts of Alberta began in early July causing low lying areas to flood and crops to yellow from moisture stress. Weed spraying in these areas was delayed because of wet fields and many crops were never sprayed. Aerial spraying was very common in these districts because the fields were too wet to support machinery. By the end of July warm, dry weather in central and northern Alberta was needed. However in the Southern Region, particularly the Pincher Creek - Cardston area, and the High Level - Fort Vermilion areas in the Peace River Region never received any significant rainfall during late June and July. These areas were reporting drought stressed crops.

Swathing of fall seeded crops commenced the last week of July and it was apparent that most fall seeded crops were far enough advanced to tolerate drought conditions. Producers were generally optimistic about their fall crops.

Prolonged hot weather during August hastened crop maturity and caused concern of possibly reduced yields or light bushel weights. The harvest of fall seeded crops proceeded rapidly with some early spring seeded crops being swathed within the first week of August. By month end swathing was general and combining of spring seeded crops had started. The full effect of the hot August weather became apparent as combining began. Yields were reduced in some cases and light bushel weights were frequently reported.

Showers and cooler temperatures in central and northern Alberta during much of September hampered the early harvest that had been started in August. The Southern Region had made such rapid progress during August that nearly 90% of their crops were harvested by early September, however, producers in this Region were hesitant to seed fall crops into the dry soil conditions. The remainder of Alberta made slow harvest progress during the unsettled September weather. Most crops harvested came off between showers and then were artificially dried. Favourable harvest weather after September 28 allowed producers to make excellent progress. As September turned to October Alberta producers had harvested three quarters of their crop. The largest areas to be threshed remained in the Peace River Region where either light showers or heavy frosts were delaying start up time each morning. Alberta producers were essentially finished their 1983 harvest by the end of October. Only a few low lying areas in some wheat and barley fields between Athabasca and Lac La Biche were not harvested.

Although Alberta's producers had to contend with some extreme weather conditions during 1983, they managed to harvest 14.5 million tonnes of good quality grains and oilseeds. While this is a 6% decrease from 1982 the quality of the 1983 crop is much higher. Grade reductions were generally caused from stressful growing conditions and unfavorable harvest weather rather than frost damage as in 1982.

The 1983 Statistics Canada average yield estimates of the six major grains and oilseeds (with the previous five-year average in brackets) are as follows - in kilograms per acre - wheat 885 (865), oats 910 (920), barley 1010 (1055), rye 830 (845), flaxseed 465 (495) canola 445 (475). In bushels per acre - wheat 32.5 (31.8), oats 59.1 (59.7), barley 46.3 (48.4), rye 32.6 (33.2), flaxseed 18.3 (19.4), canola 19.6 (21.0). While no record yields were set this year the total wheat production of 6.8 million tonnes (250 million bushels) is an Alberta record. The 1983 wheat crop was produced on 7,700,000 acres, the highest Alberta wheat acreage since 1949.

INSECTS AND DISEASES

Insect problems did not cause widespread concern for Alberta farmers in 1983. Most insect infestations, with the exception of grasshoppers in the Southern Region, were localized and easily manageable. Any potential crop pests in the spring were put in check by the rains during late June and July in the Central and Northern Regions. The Southern Region, however, had widespread grasshopper infestations. The prolonged hot, dry weather during August did nothing to decrease their numbers. Grasshopper infestations were so heavy into the fall that many producers hesitated seeding fall crops for fear the grasshoppers would eat the newly germinated plants.

Excessive soil moisture in the Central and Northern Regions caused fungal diseases in many fields. Root rot in canola and leaf diseases in barley were frequently reported. Damage was most noticeable in low lying areas or soils with poor drainage capabilities.

HAIL AND WEATHER DAMAGE

Based on claims made to the Alberta Hail and Crop Insurance Corporation weather related crop losses reached record levels in 1983. Claims to December of this year were nearly $84,000,000 compared to $75,000,000 in 1982. The size of the 1983 payout can be attributed to both an increased number of farmers who took out protection and the losses from unfavorable weather. Over one half of Alberta's producers had some kind of crop protection in 1983. Losses from unfavorable weather were primarily production shortages caused by the early spring droughts, excessive rain in July and heat stress in August. Nearly $47,000,000 of the 1983 claims were for these weather related problems.

Hail insurance claims were down from 1982 levels. Total claims in 1983 are estimated at $37,000,000 compared to $50,000,000 in 1982. While the hail losses this year have decreased from year ago levels they are still considered above average.

IRRIGATION

The irrigation of field crops is a vital aspect of agriculture in Alberta and contributes to the stability of the southern Alberta economy. Approximately two thirds of Canada's total irrigated land is in Alberta and with the rehabilitation of the existing irrigation system, this acreage is expected to increase. About 4,200 farms utilize irrigation water to produce a wide variety of crops.

In southern Alberta, water for irrigation is mainly drawn from the Bow, Oldman and St. Mary rivers. In 1983, the thirteen irrigation districts had over 1.1 million acres of assessed irrigable land with approximately 969,000 acres actually irrigated.

Cereal grains and hay continue to be the most important crops grown under irrigation and accounted for over 76% of the irrigated acreage. In southern Alberta all of the sugar beets and over 85% of the total acreage of commercial vegetables and potatoes are under irrigation.

Table 10
IRRIGATION BY DISTRICT, 1983

District	Assessed Irrigable Acres*	Acres Actually Irrigated
Aetna	2,916	1,200
Bow River	181,174	168,461
Eastern	244,099	231,125
Leavitt	4,440	3,000
Lethbridge Northern	116,745	108,141
Magrath	12,357	9,000
Mountain View	3,710	3,154
Raymond	39,148	28,055
Ross Creek	1,776	650
St. Mary River	313,728	288,969
Taber	72,623	68,474
United	33,448	12,734
Western	83,265	46,638

* Permanent and Terminable Acres

Table 11
CROP ACRES IN THE MAJOR IRRIGATION DISTRICTS[1]

	1980	1981	1982	1983
		- acres -		
Total Grains[2]	421,450	446,143	475,304	539,073
Total Oilseeds[3]	51,208	30,809	38,349	31,894
Total Hay[4]	174,943	167,676	165,805	159,470
Total Tame Pasture	65,197	53,105	50,793	55,372
Total Other Fodder[5]	29,019	37,248	23,507	28,096
Total Sugar Beets	33,662	35,484	31,475	32,180
Total Potatoes	9,662	11,153	13,329	13,404
Total Other Specialty Crops[6]	75,388	48,552	60,593	51,985
Total Crops Irrigated	860,529	830,170	859,155	911,474
Total Summerfallow	14,406	8,769	8,462	9,640
Total Irrigated Cropland	874,935	838,939	867,617	921,114

[1] Does not include data for the Irrigation Districts of Aetna, Leavitt, Mountain View, Ross Creek and in 1981, 1982 and 1983 data was not available from the Western Irrigation District.

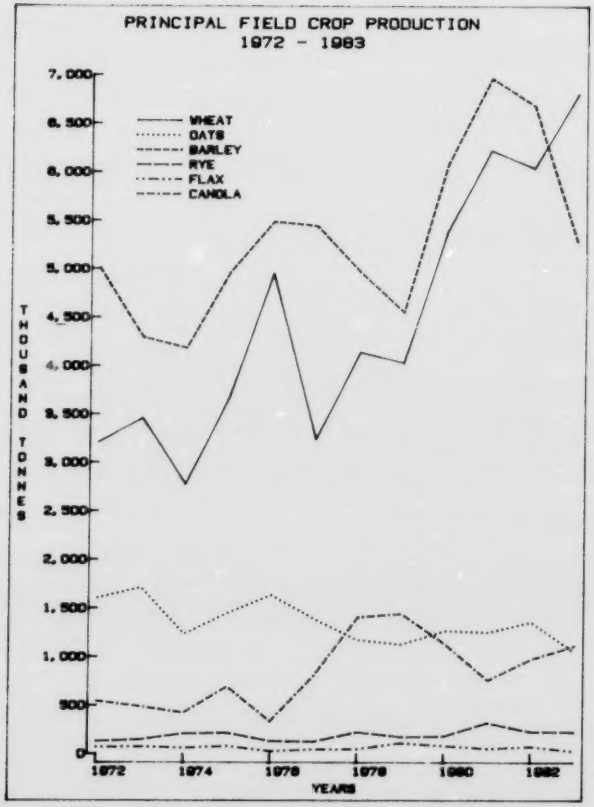
[2] Wheat, oats, barley, mixed grain and rye.

[3] Flaxseed, canola/rapeseed, sunflowers and mustard.

[4] Alfalfa hay and sweet clover hay.

[5] Greenfeed, silage corn, silage and grass hay.

[6] Peas, canning corn, timothy, brome grass, alfalfa seed, sweet clover seed, small seeds and misc. crops.


PRINCIPAL FIELD CROP PRODUCTION
1972 - 1983
WHEAT
OATS
BARLEY
RYE
FLAX
CANOLA
THOUSAND TONNES
7,000
6,500
6,000
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1972
1974
1976
1978
1980
1982
YEARS

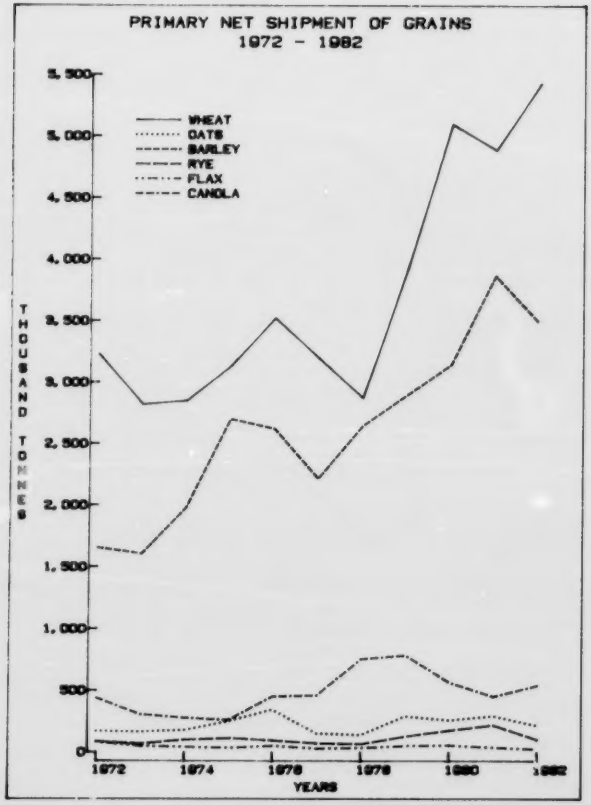

PRIMARY NET SHIPMENT OF GRAINS
1972 - 1982
WHEAT
OATS
BARLEY
RYE
FLAX
CANOLA
THOUSAND TONNES
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1972
1974
1976
1978
1980
1982
YEARS

Table 12
MUNICIPAL CO-OPERATIVE SEED CLEANING

	1981-82	1982-83
	- bushels -	
Commercial Seed	27,888,504	24,263,671
Pedigree Seed	1,088,738	1,163,924
Total Seed	28,977,242	25,427,595
Dockage Removed	2,147,773	3,428,444
Total Cleaning	31,125,015	28,856,039
Average Per Plant	409,540	374,754
Treated Seed	2,609,760	2,660,539

Table 13
INTENDED AND SEEDED AREAS OF PRINCIPAL FIELD CROPS

	1982		1983	
	Intended	Seeded	Intended	Seeded
	- thousand acres -			
Winter Wheat	250	200	300	300
Spring Wheat	6,200	6,200	6,750	6,900
Durum Wheat	450	450	450	500
All Wheat	6,900	6,850	7,500	7,700
Oats[1]	2,000	1,800	1,600	1,600
Barley[1]	6,450	6,450	5,850	5,500
All Rye	325	290	280	270
Mixed Grain	175	150	150	150
Flaxseed	100	150	100	60
Rapeseed	1,600	1,900	2,100	2,500
Corn for Grain	10	11	11	12
Summerfallow	5,000	5,250	5,200	5,000

[1] Includes oats and barley for grain and for hay.

NOTE: Intentions at March 15.

Table 14
FERTILIZER SALES[1]

	1982	1983
	- tonnes -	
82-0-0-0 (Anhy. Amm.)	158 894	163 650
46-0-0-0 (Urea)	161 780	187 226
34-0-0-0 (Amm. No_3)	90 376	98 658
21-0-0-24 (Amm. SO_4)	16 838	19 096
28-0-0-0 (N. Soln.)	28 607	28 255
34-0-0-11	-	2 301
23-23-0-0	38 900	-
27-14-0-0	12 095	-
11-51-0-0 MAP	251 058	287 066
18-46-0-0 DAP	-	-
16-20-0-14 DAP	19 602	21 299
10-34-0-0 DAP	6 496	2 894
0-0-61-0 (KCL)	24 687	34 826
Others	36 470	10 289
Total	845 803	855 560
Nutrients:		
Nitrogen	299 360	303 815
Phosphate	148 418	152 294
Potash	16 244	21 267
Sulphur	-	7 842

[1] Ending June 30.

Table 15
HAIL AND CROP INSURANCE

	No. of Farmers Insured	Acres Insured	Premium Paid by Farmers*	Total Liability	Indemnities
		'000	$'000	$'000	$'000
1967	9,892	2,271	1,930	36,857	1,200
1968	15,763	3,910	3,449	63,950	5,508
1969	16,201	3,561	3,135	57,105	6,298
1970	12,856	2,306	2,102	31,941	1,699
1971	11,323	2,429	2,173	33,310	2,410
1972	10,202	2,314	2,146	37,073	2,119
1973	12,296	3,201	3,995	73,399	6,436
1974	13,883	3,838	7,229	125,863	13,806
1975	18,685	5,113	13,699	215,976	18,320
1976	18,580	5,343	15,274	229,289	16,500
1977	20,878	6,301	18,476	279,520	38,130
1978	19,258	5,908	18,222	259,967	22,686
1979	18,253	5,882	19,636	280,471	26,846
1980	18,862	6,640	26,718	381,048	32,026
1981	18,638	7,009	32,584	483,148	26,790
1982	18,323	7,204	34,978	547,384	62,411
1983[p]	31,552	12,347	43,768	935,959	87,721

[p] preliminary

* Includes Provincial high risk subsidies.

Table 16
SUMMERFALLOW AREA

Census Division	1982	1983
	- thousand acres -	
1	625	560
2	605	568
3	136	127
4	696	663
5	896	823
6 & 9	177	161
7	525	482
8	64	58
10	528	501
11	112	132
12	101	108
13)	131	140
14)		
15	654	577
Province	5,250	4,900

Table 17
AREA, YIELD AND PRODUCTION OF PRINCIPAL FIELD CROPS

Census Division	Area 1982	Area 1983	Yield Per Acre 1982	Yield Per Acre 1983	Production 1982	Production 1983
	- acres -		- kilograms -		- tonnes -	
			ALL WHEAT			
1	620,000	704,000	845	855	524 000	601 000
2	909,000	996,000	990	980	899 000	975 000
3	343,000	391,000	810	755	278 000	296 000
4	613,000	656,000	725	745	444 000	489 000
5	1,075,000	1,198,000	950	900	1 019 000	1 079 000
6 & 9	272,000	312,000	1 065	1 000	290 000	312 000
7	986,000	1,057,000	960	830	946 000	879 000
8	78,000	121,000	1 105	1 165	86 000	141 000
10	803,000	921,000	920	825	738 000	762 000
11	134,000	138,000	980	950	131 000	131 000
12	110,000	130,000	825	915	91 000	119 000
13) 14)	137,000	155,000	885	910	121 000	141 000
15	770,000	921,000	615	955	475 000	879 000
Province	6,850,000	7,700,000	880	885	6 042 000	6 804 000
			OATS FOR GRAIN			
1	21,000	19,000	855	790	18 000	15 000
2	23,000	16,000	1 085	1 060	25 000	17 000
3	42,000	48,000	810	645	34 000	31 000
4	102,000	94,000	735	735	75 000	69 000
5	41,000	33,000	975	910	40 000	30 000
6 & 9	94,000	91,000	1 105	1 000	104 000	91 000

Census Division	Area		Yield Per Acre		Production	
	1982	1983	1982	1983	1982	1983
	- acres -		- kilograms -		- tonnes -	
		OATS FOR GRAIN (cont'd.)				
7	196,000	147,000	1 030	870	202 000	128 000
8	85,000	80,000	1 045	1 140	89 000	91 000
10	251,000	183,000	1 030	845	258 000	155 000
11	142,000	125,000	1 100	920	156 000	115 000
12	132,000	110,000	895	955	118 000	105 000
13) 14)	136,000	118,000	1 005	965	137 000	114 000
15	135,000	86,000	750	1 025	101 000	88 000
Province	1,400,000	1,150,000	970	910	1 357 000	1 049 000
		BARLEY FOR GRAIN				
1	53,000	44,000	1 115	1 070	59 000	47 000
2	324,000	287,000	1 300	1 280	422 000	368 000
3	449,000	389,000	990	860	445 000	334 000
4	34,000	36,000	940	945	32 000	34 000
5	426,000	395,000	1 205	1 115	513 000	440 000
6 & 9	615,000	555,000	1 240	1 155	764 000	641 000
7	334,000	268,000	1 200	985	401 000	264 000
8	750,000	673,000	1 120	1 235	839 000	830 000
10	710,000	582,000	1 195	835	850 000	486 000
11	574,000	508,000	1 170	820	671 000	417 000
12	270,000	236,000	1 045	985	282 000	233 000
13) 14)	517,000	461,000	1 045	890	541 000	410 000
15	1,144,000	816,000	755	965	865 000	787 000
Province	6,200,000	5,250,000	1 080	1 010	6 684 000	5 291 000

A.R.A.	Area		Yield Per Acre		Production	
	1982	1983	1982	1983	1982	1983
	- acres -		- kilograms -		- tonnes -	
			FLAXSEED			
1	16,500	6,500	550	525	9 100	3 400
2	75,000	30,400	555	495	41 700	15 100
3	8,900	3,500	470	400	4 200	1 400
4A	16,000	6,300	555	460	8 900	2 900
4B	7,400	2,900	460	415	3 400	1 200
5	2,500	1,000	560	400	1 400	400
6	4,700	1,900	470	420	2 200	800
7	19,000	7,500	280	375	5 300	2 800
Province	150,000	60,000	505	465	76 200	28 000
			CANOLA / RAPESEED			
1	7,300	9,600	535	500	3 900	4 800
2	135,200	154,600	605	550	81 700	84 800
3	117,600	161,100	600	505	70 300	81 500
4A	292,200	406,500	640	490	187 400	199 000
4B	440,500	562,200	545	425	240 200	238 600
5	254,900	345,100	545	510	138 600	175 800
6	110,900	171,100	455	390	50 400	67 200
7	541,400	689,800	375	375	202 500	259 300
Province	1,900,000	2,500,000	515	445	975 000	1 111 000
			FALL RYE			
1-3	184,500	189,100	820	885	151 500	167 000
4A-6	40,100	35,600	780	770	31 200	27 400
7	5,400	5,300	500	700	2 700	3 700
Province	230,000	230,000	805	860	185 400	198 100

A.R.A.	Area		Yield Per Acre		Production	
	1982	1983	1982	1983	1982	1983
	- acres -		- kilograms -		- tonnes -	
			SPRING RYE			
1-3	26,400	17,700	640	590	16 900	10 400
4A-6	32,700	21,700	785	675	25 700	14 600
7	900	600	665	665	600	400
Province	60,000	40,000	720	635	43 200	25 400
			ALL RYE			
1-3	210,900	206,800	800	860	168 400	177 400
4A-6	72,800	57,300	780	735	56 900	42 000
7	6,300	5,900	525	695	3 300	4 100
Province	290,000	270,000	790	830	228 600	223 500
			TAME HAY			
1	154,200	154,100	1 665	1 725	256 700	265 700
2	282,000	267,600	2 460	2 425	694 400	648 300
3	416,800	398,500	1 535	1 065	640 500	424 100
4A	168,000	153,000	1 400	1 315	235 400	201 400
4B	204,700	203,800	1 460	1 565	298 500	319 200
5	845,200	869,100	1 810	1 895	1 531 000	1 645 500
6	865,100	921,900	1 495	1 745	1 292 400	1 609 600
7	564,000	732,000	1 035	1 935	584 900	1 418 200
Province	3,500,000	3,700,000	1 580	1 765	5 533 800	6 532 000
			OTHER CROPS			
Winter Wheat	200,000	300,000	995	955	199 000	286 000
Durum Wheat	450,000	500,000	845	815	381 000	408 000
Mixed Grains	150,000	150,000	1 085	1 035	163 000	155 000
Corn for Grain	11,000	12,000	2 175	2 650	23 900	31 800
Peas, dry	13,000	14,000	1 170	1 050	15 200	14 700
Lentils	10,000	2,000	410	350	4 100	700
Mustard Seed	50,000	65,000	545	385	27 200	24 900
Potatoes	18,000	18,500	10 660	10 790	191 900	199 600
Sugar Beets	30,500	32,000	15 575	17 810	475 000	570 000
Fodder Corn	25,000	24,000	16 320	17 460	408 000	419 000

Table 18
SEEDED AREA AND PRODUCTION ON SUMMERFALLOW AND STUBBLE

	Seeded Area		Distribution		Average Yield Per Seeded Acre		Production	
	1982	1983	1982	1983	1982	1983	1982	1983
	- '000 acres -		- per cent -		- kilograms -		- '000 tonnes -	
WHEAT								
Summerfallow	3,443	3,440	50	45	945	915	3 261	3 149
Stubble	3,407	4,260	50	55	815	860	2 781	3 655
Total	6,850	7,700	100	100	880	885	6 042	6 804
OATS FOR GRAIN								
Summerfallow	317	288	23	25	1 040	995	330	287
Stubble	1,083	862	77	75	950	885	1 027	762
Total	1,400	1,150	100	100	970	910	1 357	1 049
BARLEY FOR GRAIN								
Summerfallow	849	588	14	11	1 215	1 175	1 030	692
Stubble	5,351	4,662	86	89	1 055	985	5 654	4 599
Total	6,200	5,250	100	100	1 080	1 010	6 684	5 291
FLAXSEED								
Summerfallow	73	27	49	45	520	480	38	13
Stubble	77	33	51	55	495	455	38	15
Total	150	60	100	100	505	465	76	28
CANOLA/RAPESEED								
Summerfallow	818	907	43	36	555	495	454	451
Stubble	1,082	1,593	57	64	480	415	521	660
Total	1,900	2,500	100	100	515	445	975	1 111

Table 19
PRECIPITATION RECORDED AT SELECTED ALBERTA STATIONS

Stations	April 1 - October 31 Incl. 1982	1983	Normal
		- millimetres -	
Medicine Hat	349.3	201.1	250.7
Brooks	312.4	236.3	233.4
Lethbridge	270.8	248.6	315.1
Pincher Creek	252.4	225.4	391.2
Calgary	346.0	233.7	341.7
Coronation	331.5	363.8	287.4
Red Deer	421.7	294.7	379.0
Vermilion	337.9	310.1	330.5
Edmonton	387.9	344.7	354.4
Whitecourt	434.2	481.1	414.7
Fort McMurray	285.9	299.5	345.9
Grande Prairie	378.3	422.0	302.6
Peace River	248.4	383.1	269.1

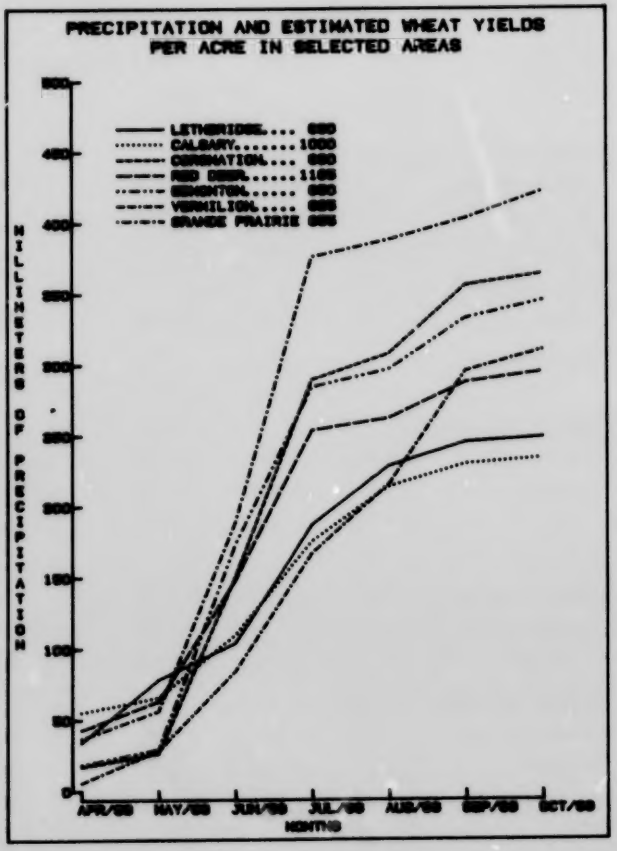


Table 20
WHEAT BOARD PAYMENTS, 1982-83

	Initial Payment	Final Payment	Realized Payment
	- dollars per tonne -		
WHEAT[1]			
No. 1 C.W. R.S.(13.5)	165.14	20.52	185.66
No. 1 C.W. R.S.	162.93	17.84	180.77
No. 2 C.W. R.S.	157.14	18.68	175.82
No. 3 C.W. R.S.	152.14	16.68	168.82
No. 1 C.U.	148.14	17.37	165.51
No. 2 C.U.	137.14	8.61	145.75
Canada Feed	134.14	-	134.14
No. 1 C.W. R.W.	152.14	16.68	168.82
No. 2 C.W. R.W.	149.14	17.68	166.82
No. 3 C.W. R.W.	143.14	20.68	163.82
No. 1 C.W. S.W.S.	152.14	19.64	171.78
No. 2 C.W. S.W.S.	149.14	21.64	170.78
No. 3 C.W. S.W.S.	143.14	23.64	166.78
No. 1 C.W. A.D.	162.93	12.94	175.87
No. 2 C.W. A.D.	160.14	10.74	170.88
No. 3 C.W. A.D.	158.14	7.78	165.92
OATS[2]			
No. 1 C.W.	80.74	16.02	96.76
No. 2 C.W.	78.74	16.01	94.75
Ex. No. 1 Feed	76.74	12.98	89.72
No. 1 Feed	74.74	9.52	84.26
No. 2 Feed	70.66	10.60	81.26
No. 3 Feed	67.66	11.60	79.26
DESIGNATED OATS[2]			
No. 1 C.W.	124.74	10.30	135.04
No. 2 C.W.	122.74	10.30	133.04
Ex. No. 1 Feed	120.74	5.80	126.54
No. 1 Feed	118.74	3.80	122.54
No. 2 Feed	114.74	5.80	120.54

	Initial Payment	Final Payment	Realized Payment
	- dollars per tonne -		
BARLEY[3]			
No. 1 C.W. 6-Row	99.72	4/	99.72
No. 2 C.W. 6-Row	98.72	4/	98.72
No. 1 C.W. 2-Row	99.72	4/	99.72
No. 2 C.W. 2-Row	98.72	4/	98.72
No. 1 Feed	96.79	4/	96.79
No. 2 Feed	94.22	4/	94.22
No. 3 Feed	89.22	4/	89.22
DESIGNATED BARLEY[3]			
No. 1 C.W. 6-Row	146.06	5.11	151.17
No. 2 C.W. 6-Row	144.79	5.38	150.17
No. 1 C.W. 2-Row	146.06	10.67	156.73
No. 2 C.W. 2-Row	144.79	11.04	155.83
No. 1 Feed	141.56	7.72	149.28
No. 2 Feed	139.56	7.89	147.45
No. 3 Feed	136.56	8.54	145.10

1 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.10 per tonne and $1.06 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $9.15 per tonne and $1.70 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.60 per tonne and $1.20 per tonne for removal of dockage (Alberta Wheat Pool).

4 No final payment. Pool ended in deficit.

Table 21
WHEAT BOARD PAYMENTS, 1983-84
(Effective August 1, 1983)

	Initial Payment	Adjustment Payment
	- dollars per tonne -	
WHEAT[1]		
No. 1 C.W. Red Spring (13.5)	160.45	-
No. 1 C.W. Red Spring	158.24	-
No. 2 C.W. Red Spring	152.45	-
No. 3 C.W. Red Spring	147.45	-
No. 1 Canada Utility	143.45	-
No. 2 Canada Utility	129.45	-
Canada Feed	126.45	-
No. 1 C.W. Red Winter	147.45	-
No. 2 C.W. Red Winter	144.45	-
No. 3 C.W. Red Winter	138.45	-
No. 1 C.W. Soft White Spring	135.45	-
No. 2 C.W. Soft White Spring	132.45	-
No. 3 C.W. Soft White Spring	126.45	-
No. 1 C.W. Amber Durum	153.24	15.00
No. 2 C.W. Amber Durum	150.45	15.00
No. 3 C.W. Amber Durum	148.45	15.00
OATS[2]		
No. 1 C.W.	65.44	25.00
No. 2 C.W.	63.44	25.00
Ex. No. 1 Feed	61.44	25.00
No. 1 Feed	59.44	25.00
No. 2 Feed	55.36	25.00
No. 3 Feed	52.36	25.00
DESIGNATED OATS[2]		
No. 1 C.W.	109.44	15.00
No. 2 C.W.	107.44	15.00
Ex. No. 1 Feed	105.44	15.00
No. 1 Feed	103.44	15.00
No. 2 Feed	99.44	15.00

	Initial Payment	Adjustment Payment
	- dollars per tonne -	
BARLEY[3]		
No. 1 C.W. 6-Row	84.47	15.00
No. 2 C.W. 6-Row	83.47	15.00
No. 1 C.W. 2-Row	84.47	15.00
No. 2 C.W. 2-Row	83.47	15.00
No. 1 Feed	81.54	15.00
No. 2 Feed	78.97	15.00
No. 3 Feed	73.97	15.00
DESIGNATED BARLEY[3]		
No. 1 C.W. 6-Row	127.81	-
No. 2 C.W. 6-Row	126.54	-
No. 1 C.W. 2-Row	127.81	-
No. 2 C.W. 2-Row	126.54	-
No. 1 Feed	123.31	-
No. 2 Feed	121.31	-
No. 3 Feed	118.31	-

1 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.25 per tonne and $1.10 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $9.40 per tonne and $1.75 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.80 per tonne and $1.25 per tonne for removal of dockage (Alberta Wheat Pool).

Table 22
WHEAT BOARD PAYMENTS, 1983-84
(Effective January 1, 1984)

	Initial Payment	Adjustment Payment
	- dollars per tonne -	
WHEAT[1]		
No. 1 C.W. Red Spring (13.5)	159.71	-
No. 1 C.W. Red Spring	157.50	-
No. 2 C.W. Red Spring	151.71	-
No. 3 C.W. Red Spring	146.71	-
No. 1 Canada Utility	142.71	-
No. 2 Canada Utility	128.71	-
Canada Feed	125.71	-
No. 1 C.W. Red Winter	146.71	-
No. 2 C.W. Red Winter	143.71	-
No. 3 C.W. Red Winter	137.71	-
No. 1 C.W. Soft White Spring	134.71	-
No. 2 C.W. Soft White Spring	131.71	-
No. 3 C.W. Soft White Spring	125.71	-
No. 1 C.W. Amber Durum	152.50	15.00
No. 2 C.W. Amber Durum	149.71	15.00
No. 3 C.W. Amber Durum	147.71	15.00
OATS[2]		
No. 1 C.W.	64.70	25.00
No. 2 C.W.	62.70	25.00
Ex. No. 1 Feed	60.70	25.00
No. 1 Feed	58.70	25.00
No. 2 Feed	54.62	25.00
No. 3 Feed	51.62	25.00
DESIGNATED OATS[2]		
No. 1 C.W.	108.70	15.00
No. 2 C.W.	106.70	15.00
Ex. No. 1 Feed	104.70	15.00
No. 1 Feed	102.70	15.00
No. 2 Feed	98.70	15.00

	Initial Payment	Adjustment Payment
	- dollars per tonne -	
BARLEY[3]		
No. 1 C.W. 6-Row	83.73	15.00
No. 2 C.W. 6-Row	82.73	15.00
No. 1 C.W. 2-Row	83.73	15.00
No. 2 C.W. 2-Row	82.73	15.00
No. 1 Feed	80.80	15.00
No. 2 Feed	78.23	15.00
No. 3 Feed	73.23	15.00
DESIGNATED BARLEY[3]		
No. 1 C.W. 6-Row	127.07	-
No. 2 C.W. 6-Row	125.80	-
No. 1 C.W. 2-Row	127.07	-
No. 2 C.W. 2-Row	125.80	-
No. 1 Feed	122.57	-
No. 2 Feed	120.57	-
No. 3 Feed	117.57	-

1 Deductions include freight at $5.15 per tonne (23.37 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.25 per tonne and $1.10 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $5.15 per tonne (23.37 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $9.40 per tonne and $1.75 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $5.15 per tonne (23.37 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.80 per tonne and $1.25 per tonne for removal of dockage (Alberta Wheat Pool).

Table 23
AVERAGE MONTHLY CASH GRAIN PRICES, 1982-83

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
WHEAT - Canadian Wheat board Basis in Store Vancouver													
1 C.W. R.S. 13.5%	232.21	231.17	226.60	225.92	227.56	222.26	223.69	228.55	237.51	236.84	231.95	229.89	229.51
1 C.W. R.S. 12.5%	228.61	227.61	223.00	222.32	223.96	218.66	220.09	224.95	233.91	233.24	228.35	226.29	225.92
1 C.W. R.S. 11.5%	-	219.64	216.00	215.32	216.96	211.66	213.09	217.95	226.91	226.24	221.35	219.29	218.58
2 C.W. R.S. 13.5%	226.61	225.57	221.00	220.32	221.96	216.66	218.09	222.95	231.91	231.24	226.35	224.29	223.91
3 C.W. R.S. . . .	216.61	215.57	211.00	210.32	211.96	206.66	208.09	212.95	221.91	221.24	216.35	214.29	213.91
1 C.U.	216.61	215.57	211.00	210.32	211.96	206.66	205.17	n.a.	n.a.	n.a.	n.a.	n.a.	211.04
2 C.U.	210.61	209.57	205.24	204.32	205.96	200.66	197.17	n.a.	n.a.	n.a.	n.a.	n.a.	204.79
1 C.W. R.W. . . .	218.61	217.57	213.00	212.32	213.96	208.66	210.09	214.95	223.91	223.24	218.35	216.29	215.91
2 C.W. R.W. . . .	216.61	215.57	211.00	210.32	211.96	206.66	208.09	212.95	221.91	221.24	216.35	214.29	213.91
3 C.W. R.W. . . .	213.61	212.57	208.00	207.32	208.96	203.66	205.09	209.95	218.91	218.24	213.35	211.29	210.91
1 C.W. A.D. . . .	214.09	209.26	207.98	205.36	207.25	208.68	209.13	212.75	218.91	223.84	231.16	229.55	214.83
2 C.W. A.D. . . .	209.09	204.26	202.98	200.36	202.25	203.68	204.13	207.75	213.91	218.84	226.16	224.55	209.83
3 C.W. A.D. . . .	204.09	199.26	197.98	195.36	197.25	198.68	199.13	202.75	208.91	213.84	221.16	219.55	204.83
OATS - Domestic - Canadian Wheat Board Basis in Store Thunder Bay													
1 C.W.	157.50	154.50	154.50	148.10	146.50	146.50	146.50	146.50	146.50	146.50	146.50	146.50	148.88
2 C.W.	155.50	152.50	152.50	146.10	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	146.88
Ex. 1 Fd. . . .	149.00	146.00	146.00	139.60	138.00	138.00	138.00	138.00	138.00	138.00	138.00	138.00	140.38
1 Feed	94.60	88.96	79.39	88.00	93.39	97.39	103.92	106.41	113.32	114.70	117.50	123.38	101.75
2 Feed	91.60	85.96	76.39	85.00	90.39	94.39	100.92	103.41	110.32	111.70	114.50	120.38	98.75
3 Feed	89.60	83.96	74.39	83.00	88.39	92.39	98.92	101.41	108.32	109.70	112.50	118.38	96.75

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
BARLEY - Canadian Wheat Board Basis in Store Thunder Bay													
Malting:													
1 C.W. 6-Row . .	171.00	171.00	169.50	161.00	161.00	161.00	161.00	161.00	161.00	161.00	161.00	161.00	163.38
2 C.W. 6-Row . .	170.00	170.00	168.50	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	162.38
1 C.W. 2-Row . .	171.00	171.00	171.00	171.00	171.00	171.00	171.00	171.00	171.00	171.00	171.00	171.00	171.00
2 C.W. 2-Row . .	170.00	170.00	170.00	170.00	170.00	170.00	170.00	170.00	170.00	170.00	170.00	170.00	170.00
Domestic:													
1 Feed	106.59	100.96	91.32	100.18	105.76	109.90	116.68	120.45	130.10	131.56	134.58	140.78	115.74
2 Feed	105.89	100.26	90.62	99.48	105.06	109.20	115.98	119.75	129.40	130.86	133.88	140.08	115.04
3 Feed	102.09	96.46	86.82	95.68	101.26	105.40	112.18	115.95	125.60	127.06	130.08	136.28	111.24
RYE - Winnipeg Commodity Exchange Basis in Store Thunder Bay													
1 Canada	130.29	129.82	118.34	120.84	119.27	116.89	117.42	116.52	122.23	120.15	117.00	118.70	120.62
2 Canada	128.29	127.82	116.34	118.84	117.27	114.89	115.42	114.52	120.28	118.15	115.00	116.70	118.63
3 Canada	104.54	100.71	88.46	90.84	89.27	86.89	87.42	86.52	92.23	90.15	87.00	88.70	91.06
Ergoty	95.87	91.71	79.46	81.84	80.27	77.39	78.42	77.52	83.23	81.15	78.00	79.70	82.05
FLAXSEED - Winnipeg Commodity Exchange Basis in Store Thunder Bay													
1 Canada	308.47	312.85	296.34	297.50	289.02	285.83	288.62	285.94	288.24	288.96	288.00	294.67	293.70
2 Canada	306.42	310.89	294.34	295.50	287.02	283.83	286.62	283.94	286.24	286.96	286.00	292.67	291.70
3 Canada	281.20	279.59	261.34	262.50	254.02	250.33	253.62	250.94	253.24	253.96	253.00	259.67	259.45
CANOLA/RAPESEED - Winnipeg Commodity Exchange Basis in Store Vancouver													
1 Canada	286.18	297.69	295.44	315.27	315.10	316.80	299.98	302.95	314.14	318.22	304.26	317.70	306.98
2 Canada	273.18	284.69	282.44	302.27	302.45	303.80	286.98	289.95	301.14	306.04	291.26	304.60	294.07

Table 24
NON-BOARD GRAIN PRICES, 1982-83

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
	- dollars per tonne -												
LETHBRIDGE													
Wheat	144.77	139.99	137.42	132.28	131.91	130.44	127.50	128.24	131.91	136.69	139.63	138.52	134.94
Oats	108.93	105.04	103.10	103.75	105.04	103.75	101.80	99.21	97.91	101.80	101.80	97.91	102.50
Barley	99.21	93.24	92.78	93.70	95.08	95.53	95.08	92.32	92.32	95.08	94.16	92.78	94.27
CALGARY													
Wheat	148.44	144.77	135.22	128.60	128.24	128.97	129.71	128.24	130.07	137.06	142.93	141.83	135.34
Oats	99.21	95.97	93.37	94.67	95.32	91.43	91.43	91.43	89.48	89.48	88.83	84.94	92.13
Barley	95.53	91.86	86.35	83.59	90.94	89.56	90.48	89.56	89.10	89.56	90.02	86.35	89.41
RED DEER													
Wheat	146.24	141.10	136.69	129.34	120.89	126.77	125.66	123.83	128.97	126.40	137.79	134.12	131.48
Oats	92.72	86.89	85.59	81.70	84.29	83.00	83.00	81.70	83.00	79.76	83.00	79.11	83.65
Barley	97.83	90.94	89.10	88.64	90.94	90.02	89.10	88.18	85.89	87.73	86.35	83.59	89.02
VERMILION													
Wheat	139.63	139.63	132.28	117.58	113.91	119.05	121.99	124.93	126.77	124.93	132.64	133.01	127.20
Oats	94.67	84.29	83.00	74.57	71.33	71.33	71.33	71.97	71.33	71.33	71.33	71.33	75.65
Barley	98.29	89.56	86.35	87.27	85.89	87.27	86.35	85.89	84.97	84.97	84.51	83.13	87.04
EDMONTON													
Wheat	152.86	149.55	140.36	126.03	121.99	121.99	123.09	125.30	125.30	131.18	137.42	139.99	132.92
Oats	101.15	91.43	90.13	84.29	83.65	85.59	84.29	84.94	83.00	83.65	83.00	81.70	86.40
Barley	99.67	96.91	91.86	89.56	89.56	90.02	89.10	89.10	86.35	86.35	85.89	84.51	89.91
PEACE RIVER													
Wheat	135.22	130.81	125.66	127.13	128.97	131.18	131.18	131.18	131.18	131.18	131.18	133.01	130.66
Oats	94.02	84.94	75.86	73.92	73.27	76.51	77.81	77.81	77.81	77.16	75.86	73.27	78.19
Barley	102.88	96.45	89.10	89.10	90.94	89.10	89.56	89.56	89.10	87.73	84.97	81.76	90.02

Table 25
ESTIMATED SUPPLIES ON FARMS

	1980-81	1981-82	1982-83
	- '000 tonnes -		
WHEAT			
Carryover	680	355	1 010
Production	5 389	6 221	6 042
Total Supplies	6 069	6 576	7 052
OATS			
Carryover	231	230	230
Production	1 265	1 249	1 357
Total Supplies	1 496	1 479	1 587
BARLEY			
Carryover	501	610	1 070
Production	6 075	6 967	6 684
Total Supplies	6 576	7 577	7 754
RYE			
Carryover	56	20	38
Production	183	320	228
Total Supplies	239	340	266
FLAXSEED			
Carryover	3	10	3
Production	84	56	76
Total Supplies	87	66	79
CANOLA/RAPESEED			
Carryover	120	170	34
Production	1 134	760	975
Total Supplies	1 254	930	1 009

Table 26
STOCKS OF GRAIN ON FARMS AT JULY 31

	Wheat	Oats	Barley	Rye	Flaxseed	Canola/ Rapeseed
	- '000 tonnes -					
1961	762	308	392	15	10	
1962	408	293	305	15	8	
1963	326	401	348	8	5	N
1964	544	586	544	13	5	/
1965	572	355	435	20	5	A
1966	626	386	435	25	10	
1967	1 089	463	675	18	10	9
1968	1 415	339	631	20	3	18
1969	2 313	447	1 393	25	5	4
1970	2 722	555	1 676	36	5	2
1971	1 851	478	631	46	53	2
1972	1 034	370	653	51	25	79
1973	544	339	827	18	3	2
1974	408	278	566	25	5	16
1975	354	231	479	36	13	34
1976	299	262	544	41	13	136
1977	1 334	308	631	25	5	11
1978	599	386	1 350	25	3	14
1979	1 361	355	1 393	97	5	91
1980	680	231	501	56	3	120
1981	355	230	610	20	10	170
1982	1 010	230	1 070	38	3	34
1983	500	300	1 640	60	10	15

Table 27
FORAGE SEED CROPS INSPECTED FOR PEDIGREE STATUS

	1982	1983
	- acres -	
Alfalfa	14,000	14,000
Alsike Clover	1,000	1,600
Altai Wild Ryegrass	320	-
Birdsfoot Trefoil	190	340
Bromegrass	4,000	4,400
Cicer Milkvetch	92	60
Creeping Red Fescue	9,000	7,000
Crested Wheatgrass	2,200	780
Orchardgrass	360	160
Red Clover (single cut)	1,700	1,700
Reed Canarygrass	-	25
Sainfoin	-	4
Tall Wheatgrass	400	8
Timothy	7,200	6,600

Table 28
FORAGE SEED PRODUCTION COMMERCIAL AND PEDIGREE

	1982	1983
	- '000 kg -	
Alfalfa	2 500	1 500
Alsike Clover	750	2 250
Bromegrass	500	700
Creeping Red Fescue	2 250	4 200
Crested Wheatgrass	350	100
Red Clover (single cut)	1 000	2 500
Sweet Clover	100	200
Timothy	500	750

Table 29
PROCESSED ALFALFA PRODUCTION

	Total Production	Exports	Value F.O.B. Plant
	- tonnes -		$'000
1972-73	33 000	-	1,800
1973-74	48 000	-	4,800
1974-75	82 000	14 000	6,300
1975-76	97 000	29 000	8,200
1976-77	130 000	83 000	12,000
1977-78	166 000	87 000	13,800
1978-79	164 000	114 000	13,600
1979-80	181 000	130 000	17,900
1980-81	139 000	80 000	18,500
1981-82	122 000	68 000	13,500
1982-83	132 000	94 000	16,800

Table 30
TAME HAY PRODUCTION

	Area	Yield Per Acre	Production
	'000 ac.	- kilograms -	'000 tonnes
1979	3,600	1 740	6 260
1980	3,500	1 635	5 715
1981	3,500	1 735	6 080
1982	3,500	1 580	5 535
1983	3,700	4 765	6 530

Table 31
FODDER CORN PRODUCTION

		1982	1983
Area	ac.	25,000	24,000
Yield	kg/ac.	16 320	17 460
Production	tonnes	408 000	419 000
Average Value	$/tonne	25.00	20.00

Table 32
DRY BEAN PRODUCTION

	Area	Yield Per Acre	Production
	acres	- kilograms -	tonnes
1979	6,484	535	3 472
1890	8,423	504	4 248
1981	8,413	531	4 467
1982	8,154	515	4 199
1983	2,830	742	2 100

Note: Dry bean yield and production data are on a cleaned or net bases.

Table 33
SUGAR BEET INDUSTRY

		1981	1982	1983
Contracted	ac.	35,405	32,161	32,354
Planted	ac.	35,139	31,833	31,833
Harvested	ac.	35,071	30,502	31,563
Production	tonnes	715 082	474 866	569 846
Average Yield	kg/ac.	20 390	15 560	18 050
Paid for Beets	$/tonne	43.18	45.51	n/a
Sugar Content	%	16.2	16.2	16.5
Sugar Produced	kg/tonne	103.2	114.7	106.4
Sugar Produced	kg/ac.	2 103	1 785	1 920

Table 34
COMMERCIAL VEGETABLE PRODUCTION

	Area		Production	
	1982	1983	1982	1983
	- acres -		- tonnes -	
Cabbage	450	450	4 680	2 630
Carrots	700	750	5 535	8 165
Corn, fresh	700	690	1 535	1 930
Cucumbers	170	200	360	490
Onions	220	210	1 525	1 765
Rutabagas	170	230	1 695	3 485
Potatoes	18,000	18,500	191 900	199 600

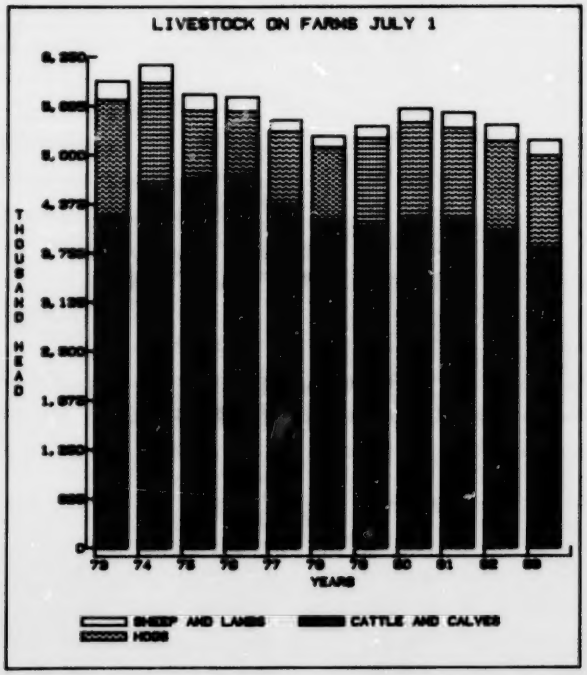
LIVESTOCK

To the majority of livestock producers in Alberta, 1983 was not a very profitable year because of a variety of developments. While beef cattle inventories continued to decline, hog numbers rose substantially and led to a rise in pork output. Consumer demand for red meats, as indicated by per capita disappearance data, remained weak. Market prices declined markedly in the latter half of the year whereas feed costs moved upward. Largely as a result of these conditions, both cash receipts and net income declined from 1982 levels.

In contrast to the preceding year, the winter of 1982-83 was relatively mild. Temperatures were much higher and snowfall lighter. However, due to improved late winter precipitation and limited spring runoff, soil moisture reserves were not adversely affected. Winterkill damage to pasture legumes was minimal. Livestock were reported in good to excellent condition throughout the province at the end of winter.

An early spring followed the mild winter. Unusually warm weather in April made it possible for farmers to commence field operations early in the season, although progress was slowed later in the month by a combination of cool temperatures, rain and snow.

Most producers had enough feed left over from the winter to carry their livestock well into the spring, thus allowing sufficient pasture regeneration before turning out their livestock. Few problems were reported at calving time but lice infestations were common in the Bonnyville, Athabasca, Morinville and Barrhead areas.



Hay and pasture growth were hampered by dry weather conditions during May and early June. As a result, only a few producers obtained good first cuts of hay at this time. Adequate rainfall later in June in most of central and northern Alberta greatly enhanced growth, but continued heavy rains in these areas in July made haying operations very difficult. Hence first cut hay crops were of reduced quality. In addition, hordes of mosquitoes caused lower weight gains in some herds.

In southern Alberta the picture was very different as drought conditions prevailed, particularly in the Pincher Creek and Cardston districts. As well, the High Level and Fort Vermilion areas in the north did not receive any rain during this period.

The month of August was generally dry in most areas of the province but showers and cooler conditions prevailed in September. Favourable weather in October facilitated operations. However, prolonged dry weather in the Pincher Creek-Cardston areas of the south and the Oyen-Scapa areas of the south central region reported reduced yields. In the rest of the province yields were good to excellent at an average of about 2 tonnes per acre. The provincial tame hay crop exceeded the 1982 crop by almost one million tonnes. Hay quality was generally good, although first cuts were somewhat of a poorer quality than second cuts.

The feed situation at the approach of the 1983-84 winter was almost excellent. In addition to conserved forage, an open fall and some early harvested fields provided good prospects for fall grazing. Feed grains were available in sufficient quantities throughout the province. Reports indicated that supplies were more than adequate for the winter.

Prices

Livestock prices exhibited considerable variations in 1983. Slaughter steer and heifer prices rose early in the year to mid-spring peaks and then declined through the summer months and early fall before rising again in the final quarter. Feeder cattle prices, on the other hand, tended to fluctuate despite generally higher prices in the first half of the year than in the second half. The average price of A1,2 slaughter steers at Calgary declined by $1.54 per cwt. to $71.54 per cwt. from 1982 while good feeder steers were up by $0.31 per cwt. to $73.98 per cwt. Cow prices (Calgary D1,2) averaged $46.58 per cwt. compared to $46.39 in 1982.

Average hog prices decreased markedly from the high levels of 1982. This was a reflection of increases in hog supply and pork output. Index 100 hogs (Edmonton) averaged $69.80 per cwt., down $12.43 per cwt. from 1982 but up $1.99 per cwt. from 1981.

Lamb prices were up from 1982 but sheep prices declined. Average A,B lamb prices at Edmonton increased by $2.93 per cwt. to $59.28 per cwt. while D1,2 sheep prices decreased by $7.01 per cwt. to $28.96 per cwt.

Marketings

During 1983, steers and heifers marketed at stockyards and shipped directly to packing plants increased by almost 2% from 1982 but cow and bull marketings were down by 17% and 56%, respectively. The number of cattle and calves slaughtered in federally and provincially inspected plants declined by 1% to 1,330,209. Estimated cold dressed carcass output of beef and veal was 795 million pounds, up 3% from 1982.

Live cattle shipments out-of-province dropped by 26,454 head from a year earlier to 305,249 head in 1983. This represented an 8% decline.

Inspected hog slaughter totalled 1,626,628 head compared to 1,589,373 in 1982. Estimated output of pork (cold dressed weight basis) was up almost 3% to 220.2 million pounds. Total hog marketings

increased to 1,595,220 head from the 1,527,542 head recorded in 1982.

Sheep and lamb marketings in the province decreased by over 8% from a year earlier after increasing consistently from 1978 to 1982. Slaughter in federally and provincially inspected plants increased 20% to 95,046. Estimated cold dressed output of lamb and mutton was 4.4 million pounds, compared to an output of 3.6 million pounds in the previous year.

Numbers

For the third consecutive year, the total number of cattle and calves on Alberta farms decreased. Estimates for July 1, 1983 indicated a 12-year low of 3,805,000 head. This represented declines of about 5 and 8% from 1982 and 1981, respectively. The decrease occurred despite reduced slaughter from 1982 levels.

After successive declines in 1981 and 1982, hog numbers increased during 1983 in response to strong 1982 prices. The estimated number of hogs on farms as at July 1, 1983 was 1,180,000 an increase of about 3% from 1982. The breeding herd increased by 3,000 to 136,000 head while all other pigs increased to 1,044,000 from 1,017,000 in 1982.

Sheep and lamb numbers in the province declined in 1983 after reaching a seven-year high in 1982. Estimated number on farms as at July 1, 1983 was 197,000 head, down 4% from 1982.

Table 35
BRAND INSPECTION RECORD OF LIVE CATTLE AND CALF SHIPMENTS OUT-OF-PROVINCE

	1981	1982	1983
		- number -	
British Columbia	18,317	16,523	19,132
Saskatchewan	44,227	38,595	38,188
Manitoba	8,832	3,842	2,016
Ontario	149,025	187,614	169,216
Quebec	5,926	7,872	9,477
Maritimes	90	5	-
United States	37,460	71,553	61,769
Others	9,152	5,699	5,451
Total	273,029	331,703	305,249

Table 36
COWS BRED BY ARTIFICIAL INSEMINATION

Breed of Sire	1982 Total Cows	1983 Total Cows
Ayrshire	538	278
Brown Swiss	340	246
Guernsey	221	171
Holstein-Friesian (B&W)	13,958	9,192
Jersey	786	672
Other	172	168
Total Dairy	16,015	10,727
Aberdeen Angus (Black)	1,191	1,425
Aberdeen Angus (Red)	330	395
Blonde d'Aquitaine	164	17
Charolais	1,036	973
Gelbvieh	44	102
Hays Converter	5	8
Hereford	3,178	2,601
Limousin	517	439
Maine Anjou	184	142
Murray Grey	95	42
Pinzgauer	66	42
Salers	325	1,477
Shorthorn	98	92
Simmental	1,826	1,463
Other	226	366
Total Beef	9,285	9,584
Grand Total	25,300	20,311

Note: These totals do not include semen sold directly to owner - inseminators or semen purchased and resold.

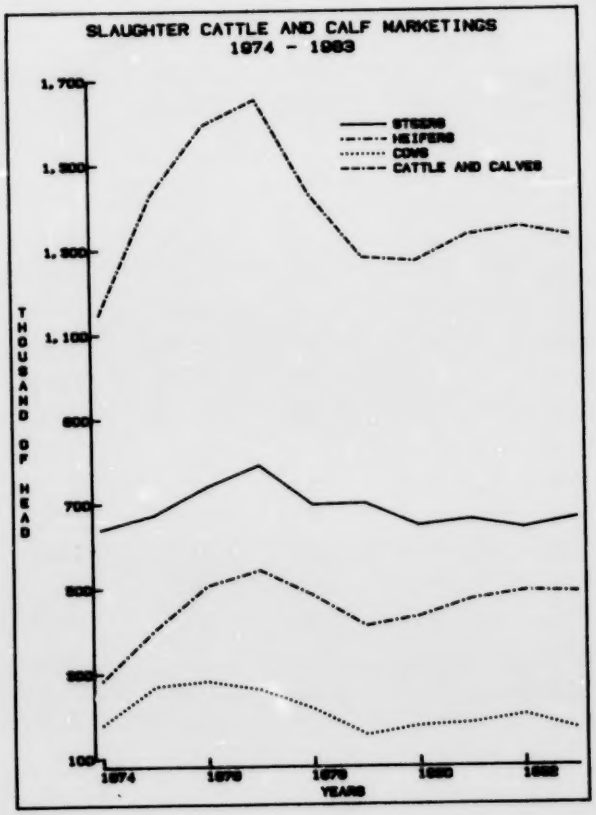


Table 37
CATTLE ON FARMS, JULY 1

1982

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total
					- thousands -				
1	4.6	3.7	1.2	75.0	13.4	70.0	12.0	21.0	200.9
2	8.1	16.2	5.3	108.0	15.5	91.0	65.0	103.0	412.1
3	6.5	7.4	1.9	102.0	18.6	95.0	30.0	52.0	313.4
4	5.7	4.0	1.0	101.0	14.4	91.0	9.0	16.0	242.1
5	5.2	5.6	1.3	72.0	9.5	62.0	40.0	87.0	282.6
6	9.0	12.4	4.3	110.0	20.1	100.0	36.0	77.0	368.8
7	8.0	7.6	2.0	125.0	17.0	113.0	28.0	32.0	332.6
8	9.7	24.8	8.9	150.0	27.6	149.0	43.0	74.0	487.0
9	-	-	-	5.0	0.5	4.0	-	2.0	11.5
10	8.5	17.0	4.2	125.0	18.0	113.0	19.0	30.0	334.7
11	6.4	32.8	13.1	103.0	19.7	107.0	19.0	36.0	337.0
12	3.0	7.0	1.7	68.0	10.4	53.0	5.0	14.0	162.1
13	6.1	15.2	4.7	120.0	22.0	106.0	11.0	32.0	317.0
14	1.0	1.0	0.7	18.0	3.8	16.0	3.0	3.0	46.5
15	4.2	7.3	1.7	68.0	14.5	60.0	6.0	11.0	172.7
Province	86.0	162.0	52.0	1,350.0	225.0	1,230.0	326.0	590.0	4,021.0

1983

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total	1983 as % 1982
					- thousands -					
1	4.5	3.5	1.0	68.0	12.1	63.0	14.0	20.0	186.1	92.6
2	7.6	15.0	5.4	107.0	13.6	99.0	54.0	85.0	386.6	93.8
3	6.5	6.9	2.0	101.0	19.0	91.0	26.0	50.0	302.4	96.5
4	5.5	3.5	0.8	97.0	13.7	83.0	11.0	17.0	231.5	95.6
5	5.2	5.5	1.3	69.0	9.6	62.0	32.0	68.0	252.6	89.4
6	9.0	10.5	4.0	118.0	21.5	102.0	30.0	77.0	372.0	100.9
7	7.6	7.0	1.7	120.0	17.1	99.0	21.0	33.0	306.4	92.1
8	8.9	22.5	7.0	142.0	20.3	130.0	48.0	73.0	451.7	92.8
9	-	-	-	6.0	0.6	4.0	-	2.0	12.6	109.6
10	7.9	17.0	3.8	116.0	19.0	102.0	20.0	34.0	319.7	95.5
11	7.2	32.6	14.0	91.0	17.3	91.0	19.0	38.0	310.1	92.0
12	3.7	9.6	1.9	69.0	10.7	57.0	8.0	10.0	169.9	104.8
13	6.0	16.5	4.8	118.0	21.5	100.0	14.0	27.0	307.8	97.1
14	1.0	0.6	0.5	14.0	2.5	11.0	2.0	4.0	35.6	76.6
15	4.4	6.3	1.8	64.0	11.5	56.0	6.0	10.0	160.0	92.6
Province	85.0	157.0	50.0	1,300.0	210.0	1,150.0	305.0	548.0	3,805.0	94.6

Table 38
SLAUGHTER CATTLE AND CALF MARKETINGS

Marketed at Stockyards and Shipped Directly to Packing Plants

	Steers				Heifers					
	A1,2 1000+	A1,2 -1000	A3,4	B & C	A1,2 850+	A1,2 -850	A3,4	B & C	Cows	Bulls
	- number -									
Jan	42,871	2,509	4,711	1,016	29,796	5,338	6,079	2,681	18,326	435
Feb	40,033	2,858	4,746	978	30,121	6,266	5,827	2,404	16,140	436
Mar	49,267	4,720	7,865	1,647	27,701	5,443	5,888	3,028	16,031	581
Apr	41,738	3,404	4,991	1,812	21,356	5,502	3,357	2,256	11,173	652
May	41,193	3,050	3,323	1,563	28,491	5,606	3,694	2,404	10,099	473
Jun	59,157	5,230	3,587	2,768	39,691	8,823	4,563	3,324	15,850	653
Jul	47,218	4,926	3,447	1,974	30,114	5,277	3,954	2,321	9,725	524
Aug	48,190	3,506	4,256	1,977	22,872	4,368	3,827	2,223	9,243	449
Sep	56,303	2,909	6,640	1,997	30,507	5,626	5,804	3,167	11,681	474
Oct	42,232	2,385	4,374	1,817	20,419	3,188	2,918	2,233	13,186	657
Nov	38,303	3,102	2,442	1,639	25,226	5,382	2,158	2,316	18,104	680
Dec	41,244	2,225	3,239	1,171	31,386	6,904	4,081	2,019	16,270	477
1983	547,749	40,824	53,621	20,359	337,680	67,723	52,150	30,376	165,828	6,491
1982	520,827	51,236	42,659	25,034	325,726	90,107	43,602	31,620	199,616	14,616
1981	543,106	46,526	49,801	20,572	318,316	81,714	44,581	27,490	180,882	13,038

	Total Slaughter Cattle	Calves				Total Slaughter Calves	Delivered to		Total
		White Veal	Good Veal	Good Butcher	Common all wts.		Yards	Plants	
					- number -				
Jan	113,762	168	13	23	43	247	166	113,843	114,009
Feb	109,809	80	29	31	243	383	154	110,038	110,192
Mar	122,171	30	38	136	315	519	-	122,690	122,690
Apr	96,241	125	16	51	236	428	-	96,669	96,669
May	99,896	192	7	19	123	341	-	100,237	100,237
Jun	143,646	226	17	16	165	424	131	143,939	144,070
Jul	109,480	38	11	23	173	245	601	109,124	109,725
Aug	100,911	145	6	21	145	317	255	100,973	101,228
Sep	125,108	226	23	40	187	476	881	124,703	125,584
Oct	93,409	201	39	84	240	564	-	93,973	93,973
Nov	99,352	174	28	90	294	586	-	99,938	99,938
Dec	109,016	151	23	49	221	444	-	109,460	109,460
1983	1,322,801	1,756	250	583	2,385	4,974	2,188	1,325,587	1,327,775
1982	1,345,043	840	388	882	3,265	5,375	104,928	1,245,490	1,350,418
1981	1,326,026	45	386	957	4,489	5,877	107,154	1,224,749	1,331,903

Table 39
AVERAGE MONTHLY CATTLE PRICES, EDMONTON

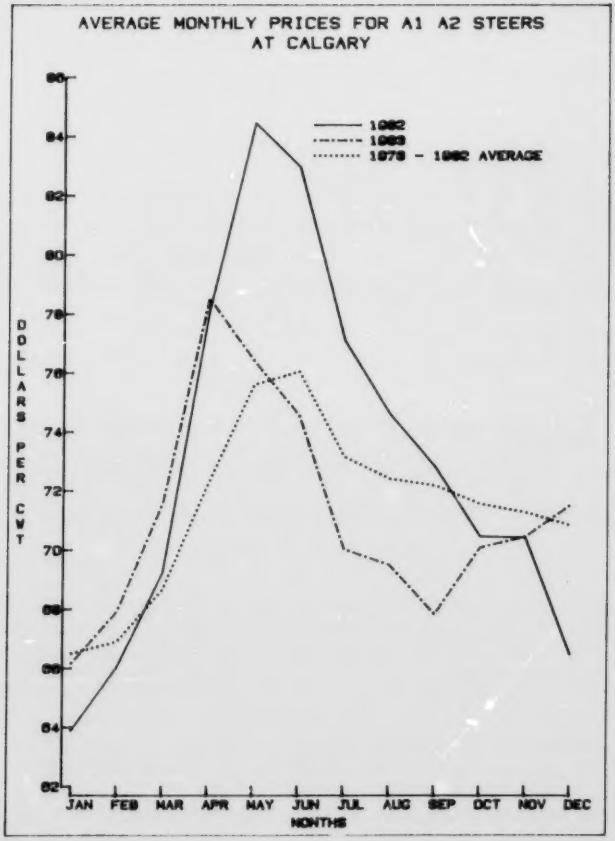
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1982												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	62.64	65.30	67.57	73.50	79.59	80.45	75.91	73.57	73.16	69.92	69.37	64.81	71.59
A1,2 -1000 lbs . .	61.31	63.02	66.40	71.40	78.16	78.66	74.52	72.28	72.08	69.30	68.61	63.60	73.50
A3,4	57.23	59.89	63.38	67.84	69.43	75.24	72.24	68.56	68.03	65.16	67.00	-	68.12
B & C.	50.14	51.65	52.00	59.34	58.65	65.29	65.48	61.38	62.05	54.56	54.97	51.79	56.33
Heifers													
A1,2 850 lbs+. . .	55.00	60.56	63.08	67.02	74.72	71.38	71.54	70.07	69.92	68.71	65.55	61.83	67.55
A1,2 -850 lbs. . .	53.80	59.08	61.07	66.23	74.51	69.93	71.94	69.84	68.85	67.98	64.93	60.39	69.80
A3,4	52.45	54.74	55.34	56.09	68.48	70.35	67.85	64.59	65.23	61.53	64.87	-	63.64
B & C.	44.28	45.94	47.68	52.03	55.74	61.31	59.07	54.57	59.19	54.70	48.71	48.06	51.98
Cows													
D1,2	40.43	40.21	45.30	46.42	51.21	49.84	50.09	49.49	45.49	43.14	35.46	37.87	44.34
D3,5	35.92	35.43	40.69	41.84	45.67	46.30	46.61	44.01	38.99	38.72	32.39	32.67	38.90
D4	33.64	32.24	36.76	38.74	42.67	44.99	44.60	43.50	38.77	36.97	30.19	31.85	36.39
Bulls	46.77	50.11	54.12	53.43	53.44	54.74	57.57	58.02	54.25	54.51	49.31	47.12	52.90
Feeders													
Good Steers													
800 lbs+	61.76	66.61	68.17	69.98	72.95	76.12	75.07	76.13	75.04	71.50	74.16	71.45	72.08
700-800 lbs. . . .	64.68	68.21	69.29	71.07	75.66	78.58	76.56	77.65	76.79	74.07	74.77	71.79	73.26
600-700 lbs. . . .	67.85	69.60	70.30	72.17	76.83	80.00	78.78	79.05	77.55	75.37	76.39	73.92	73.97
Off Type 600 lbs+ .	52.21	49.71	53.69	57.73	62.59	62.82	66.11	62.07	66.26	63.70	62.80	60.27	60.93
Good Heifers													
700 lbs+	56.35	58.58	59.77	63.72	67.17	70.54	69.80	70.83	71.06	65.48	64.46	62.76	65.52
600-700 lbs. . . .	56.26	59.80	61.30	63.74	67.51	71.74	70.77	71.63	71.39	65.15	65.01	64.66	65.67
500-600 lbs. . . .	56.96	60.42	61.60	63.41	67.81	71.54	70.56	71.66	71.13	67.69	67.74	66.33	65.16
Off Type 500 lbs+ .	46.31	46.62	47.33	53.07	53.45	53.81	54.37	56.38	55.65	53.50	55.84	54.25	53.72
Cows	41.33	42.27	44.25	45.60	46.44	51.95	49.43	48.23	48.18	42.65	37.56	38.38	42.46

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
				- dollars per 100 pounds -									
						1983							
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	65.98	67.18	73.37	75.65	76.23	73.02	69.30	69.49	67.47	69.44	69.02	72.65	71.43
A1,2 -1000 lbs . .	-	65.67	71.40	73.00	73.00	74.28	68.10	68.51	66.31	67.00	65.00	69.40	68.67
A3,4	-	-	-	-	-	67.50	-	-	-	-	-	-	67.50
B & C.	51.93	54.83	60.45	62.78	58.24	60.83	63.68	61.96	58.03	53.84	55.56	54.00	57.52
Heifers													
A1,2 850 lbs+. . .	61.93	63.68	65.73	70.66	70.05	69.66	67.22	67.41	64.24	66.78	63.94	67.57	66.76
A1,2 -850 lbs. . .	61.78	62.29	64.68	69.14	68.82	69.00	66.98	66.00	63.13	64.40	61.53	66.80	66.29
A3,4	-	-	-	-	-	65.00	-	-	-	-	-	-	65.00
B & C.	49.66	50.38	53.65	57.31	55.38	57.15	56.80	55.17	52.46	53.33	51.35	49.02	53.26
Cows													
D1,2	38.99	43.68	50.06	50.15	52.13	49.69	50.33	46.94	43.69	39.41	36.88	40.52	45.55
D3,5	35.12	38.00	46.16	45.70	48.20	46.24	45.74	42.16	38.60	35.90	33.51	34.99	40.54
D4	33.83	37.67	42.73	42.22	43.23	42.46	43.00	39.90	38.55	34.18	33.50	33.50	39.70
Bulls	47.62	55.10	56.69	59.03	57.85	58.74	59.28	57.25	53.66	50.76	46.19	50.24	54.00
Feeders													
Good Steers													
800 lbs+	73.79	74.66	75.44	76.26	75.32	75.27	75.70	74.00	70.93	72.40	69.67	74.82	73.77
700-800 lbs. . . .	75.41	76.51	77.08	79.44	77.71	78.00	78.53	75.91	73.41	73.42	73.25	76.49	76.43
600-700 lbs. . . .	76.97	78.07	78.36	80.88	79.53	81.07	81.93	80.19	74.69	75.74	76.71	79.26	78.44
Off Type 600 lbs+.	61.83	65.05	67.00	68.13	61.78	68.32	68.12	66.04	60.37	61.07	61.93	66.19	64.42
Good Heifers													
700 lbs+	63.93	68.14	70.15	71.96	71.00	71.80	71.97	70.70	65.99	65.82	64.41	68.28	68.50
600-700 lbs. . . .	65.92	72.55	73.08	73.65	73.37	75.05	73.52	72.62	67.64	68.03	68.84	70.82	71.47
500-600 lbs. . . .	68.46	73.57	74.22	75.02	75.07	76.32	74.85	73.67	68.06	70.66	72.34	74.17	73.07
Off Type 500 lbs+.	52.94	56.16	59.12	60.27	55.34	57.25	61.23	57.32	53.32	55.78	52.71	58.71	56.55
Cows	36.55	42.82	47.29	48.27	48.69	48.77	49.17	47.79	43.76	42.15	43.49	42.64	43.79

Table 40
AVERAGE MONTHLY CATTLE PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1982												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	63.90	66.05	69.29	78.09	84.45	82.95	77.09	74.61	72.80	70.45	70.41	66.47	73.08
A1,2 -1000 lbs . .	63.07	-	69.12	79.67	80.95	78.24	75.32	73.36	72.99	69.76	69.29	64.43	75.58
A3,4	61.10	64.34	67.16	75.60	77.64	76.45	72.73	71.55	69.71	68.20	67.69	64.01	70.53
B & C.	57.28	62.29	64.64	69.67	75.07	73.00	67.95	65.50	65.75	62.93	61.95	57.78	66.54
Heifers													
A1,2 850 lbs+. . .	58.86	61.97	65.47	73.12	79.71	75.16	73.33	71.42	70.51	69.27	68.02	62.30	69.48
A1,2 -850 lbs. . .	57.00	58.64	64.00	75.02	75.36	72.17	71.57	69.45	70.32	66.08	69.32	-	70.75
A3,4	55.56	58.32	61.56	68.54	73.06	69.37	68.17	67.65	66.76	67.27	65.65	60.51	64.89
B & C.	53.08	55.34	56.26	59.40	65.33	65.46	63.99	59.82	60.35	57.09	54.12	52.68	59.12
Cows													
D1,2	42.04	41.92	47.47	47.29	50.17	52.36	52.26	51.75	47.92	44.46	39.34	39.64	46.39
D3,5	39.04	38.50	45.50	44.97	47.01	46.81	48.68	47.32	44.07	41.94	35.37	35.78	42.14
D4	39.30	37.96	44.53	43.82	47.03	45.90	47.02	46.60	42.94	41.00	34.96	34.82	40.79
Bulls	49.11	53.28	56.75	53.50	53.76	54.93	57.97	56.92	56.43	54.50	49.37	45.32	54.03
Feeders													
Good Steers													
800 lbs+	63.39	68.47	71.58	74.56	77.45	79.04	76.82	77.38	76.32	73.55	71.94	70.94	73.67
700-800 lbs. . . .	65.75	70.55	71.70	74.56	78.17	79.24	76.24	78.13	76.90	75.55	73.06	73.03	74.64
600-700 lbs. . . .	68.96	72.82	72.16	75.67	79.87	79.23	76.21	75.50	77.55	76.34	76.02	74.42	75.15
Off Type 600 lbs+ .	58.90	66.88	66.13	69.05	74.23	72.44	71.40	70.00	70.40	68.00	65.83	65.64	69.57
Good Heifers													
700 lbs+	59.51	65.00	65.78	69.18	71.11	72.97	70.92	72.12	70.71	67.78	68.68	67.39	69.04
600-700 lbs. . . .	50.09	64.80	65.93	69.15	71.42	72.88	71.04	71.99	70.55	68.52	69.00	68.79	69.14
500-600 lbs. . . .	61.16	64.66	64.99	68.31	70.76	72.91	71.49	73.09	70.99	70.40	70.14	68.38	68.80
Off Type 500 lbs+ .	52.95	60.64	59.08	62.43	63.79	65.40	64.19	65.00	63.97	61.79	60.75	59.93	61.87
500 lbs+													
Cows	44.86	42.35	48.36	47.28	51.09	52.24	53.98	54.74	49.72	47.93	44.08	42.09	46.08

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
				- dollars per 100 pounds -									
						1983							
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	66.17	67.93	71.60	78.52	76.40	74.56	70.02	69.49	67.83	70.08	70.44	71.51	71.54
A1,2 -1000 lbs . .	65.10	67.83	71.48	77.02	76.20	71.90	68.86	68.57	67.24	69.17	70.63	73.07	71.46
A3,4	62.75	65.20	68.14	76.31	73.02	70.88	66.48	65.95	65.12	64.89	68.12	67.00	68.86
B & C.	57.21	61.63	64.96	70.73	70.11	64.74	64.34	63.52	60.63	60.89	62.39	63.03	63.74
Heifers													
A1,2 850 lbs+. . .	63.14	63.29	68.24	74.82	71.52	70.78	68.22	67.64	65.85	69.21	67.73	68.12	68.23
A1,2 -850 lbs. . .	63.98	-	68.50	72.13	70.87	69.84	67.35	67.65	64.54	68.05	66.90	66.83	68.98
A3,4	57.56	61.56	64.92	68.33	68.30	67.25	64.80	63.64	62.00	63.71	64.93	64.84	63.81
B & C.	50.02	55.05	59.51	65.70	60.89	60.31	60.45	57.26	56.65	56.50	55.12	54.75	58.19
Cows													
D1,2	39.50	45.29	51.98	51.51	50.96	51.24	52.03	49.02	44.21	40.30	39.50	42.07	46.58
D3,5	35.84	42.71	47.09	47.63	46.93	46.18	48.69	46.48	40.59	36.74	35.61	37.73	41.75
D4	34.05	40.60	45.20	44.70	44.71	43.28	45.98	43.59	38.01	35.32	34.76	36.31	40.04
Bulls	46.54	58.02	56.88	57.33	55.87	58.62	60.00	54.85	54.13	51.24	48.02	50.14	54.68
Feeders													
Good Steers													
800 lbs+	75.13	77.85	79.50	79.18	76.35	77.31	73.71	74.05	71.38	72.00	72.76	76.65	73.98
700-800 lbs. . . .	76.37	79.87	80.86	81.77	76.88	79.10	75.70	75.79	72.78	76.26	76.20	79.81	78.16
600-700 lbs. . . .	76.74	82.03	82.91	84.02	80.49	80.91	77.06	78.84	74.57	78.96	82.01	85.18	80.93
Off Type 600 lbs+ .	68.35	71.29	74.31	74.94	70.95	71.31	67.11	68.30	66.05	68.58	69.50	70.74	70.30
Good Heifers													
700 lbs+	69.64	72.46	72.07	76.28	72.93	73.90	72.30	71.69	69.71	69.56	69.29	72.52	71.40
600-700 lbs. . . .	69.34	73.96	73.90	75.52	74.54	75.82	72.42	74.06	70.35	70.06	70.21	72.63	73.26
500-600 lbs. . . .	68.04	74.10	76.68	75.00	77.00	76.00	70.17	75.00	-	-	-	-	73.73
Off Type 500 lbs+ .	61.27	66.51	68.99	69.44	67.10	66.97	65.08	65.28	62.62	63.34	62.31	65.00	66.05
Cows	44.84	48.06	54.88	52.69	53.11	50.94	55.00	54.59	47.23	45.32	42.41	44.86	47.33


AVERAGE MONTHLY PRICES FOR A1 A2 STEERS
AT CALGARY
1982
1983
1978 - 1982 AVERAGE
DOLLARS PER CWT
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS

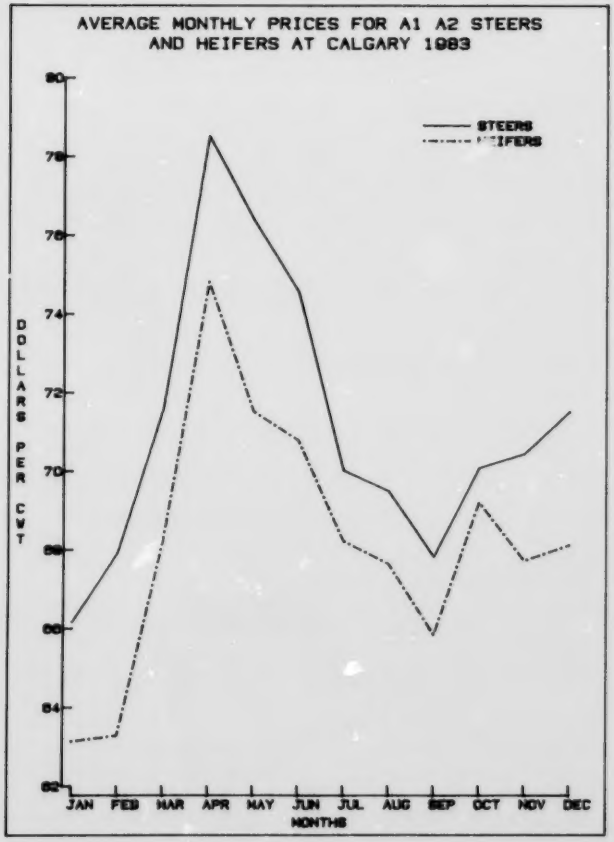

AVERAGE MONTHLY PRICES FOR A1 A2 STEERS
AND HEIFERS AT CALGARY 1983
STEERS
DOLLARS PER CWT
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS

Table 41
AVERAGE MONTHLY CALF PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
						1982							
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	63.50	60.33	60.67	69.42	64.88	67.50	60.00	-	58.75	52.67	57.36	56.67	60.78
Feeders													
Good Steer Calves													
500-600 lbs	68.00	73.82	72.51	76.55	81.93	82.45	78.67	79.32	78.97	80.64	83.33	80.00	80.12
400-500 lbs	68.72	72.52	72.48	76.49	80.78	80.62	-	79.92	79.36	80.53	81.59	79.75	80.17
-400 lbs	-	71.25	72.60	75.67	-	80.00	80.57	80.63	79.54	77.66	81.49	77.38	79.54
Off Type -600 lbs. .	63.04	66.56	66.64	70.00	74.94	74.78	71.04	74.44	74.14	73.79	74.62	70.31	72.96
Good Heifer Calves													
400-500 lbs	60.31	64.17	64.84	67.67	67.59	72.48	71.28	72.00	70.98	72.92	71.79	71.51	70.79
300-400 lbs	-	-	65.00	68.00	65.00	73.00	-	-	70.63	72.11	70.77	70.87	71.07
-300 lbs	-	-	-	-	-	79.50	71.25	-	72.00	72.30	74.00	-	72.84
Off Type -500 lbs .	56.84	60.44	59.36	60.00	61.51	65.13	64.02	65.44	63.70	65.56	63.79	62.15	62.93
						1983							
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	61.20	59.00	58.50	65.50	65.90	60.50	50.00	30.00	46.50	47.20	59.33	-	58.07
Feeders													
Good Steer Calves													
500-600 lbs	81.69	84.56	86.60	86.84	84.80	82.09	82.44	80.10	77.55	82.88	87.04	88.45	85.28
400-500 lbs	79.57	84.20	84.90	86.89	85.48	82.89	80.75	80.16	80.97	82.62	85.33	88.05	84.13
-400 lbs	77.64	83.16	81.95	83.33	85.08	83.53	83.69	86.06	81.36	82.48	83.32	87.65	83.29
Off Type -600 lbs .	74.10	76.01	75.16	78.90	75.23	74.67	75.00	74.06	73.06	74.06	76.22	78.60	75.48
Good Heifer Calves													
400-500 lbs	72.33	73.82	77.13	75.43	76.42	75.14	77.50	73.37	72.09	73.87	76.11	75.84	75.19
300-400 lbs	69.43	73.93	74.70	75.23	78.86	74.14	-	72.71	71.00	72.30	75.10	75.25	73.65
-300 lbs	69.00	73.06	-	80.00	73.50	73.33	80.68	77.50	71.20	70.15	72.00	-	74.99
Off Type -500 lbs. .	66.18	67.58	69.20	70.03	68.38	68.47	70.03	67.45	64.83	65.61	66.19	67.78	67.06

Table 42
AVERAGE MONTHLY CALF PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
					1982								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	46.54	45.62	52.89	54.73	64.60	67.56	68.57	64.78	68.58	56.90	52.93	55.55	57.67
Feeders													
Good Steer Calves													
500-600 lbs	67.54	69.39	71.13	72.96	80.42	82.45	82.32	80.77	79.64	75.92	78.12	77.52	75.52
400-500 lbs	64.75	69.98	71.25	73.15	80.18	82.90	80.12	81.59	84.13	77.58	77.77	78.64	77.11
-400 lbs	65.09	67.64	71.02	72.35	77.18	81.26	80.62	83.40	85.10	79.43	76.93	76.76	77.34
Off Type -600 lbs .	54.25	52.84	55.72	59.75	62.94	63.59	62.45	66.72	65.72	65.69	61.21	63.32	62.29
Good Heifer Calves													
400-500 lbs	57.00	58.50	59.90	63.33	67.93	72.08	70.00	70.20	71.92	70.94	69.58	67.13	66.87
300-400 lbs	55.06	55.70	56.61	61.88	65.09	70.41	71.73	72.78	73.06	68.75	68.55	65.93	66.84
-300 lbs	55.67	56.76	58.28	63.53	73.69	71.50	72.08	72.55	72.35	67.38	67.87	62.05	67.97
Off Type -500 lbs. .	46.02	46.36	46.97	50.79	51.22	53.80	52.81	57.02	58.13	53.38	54.43	52.81	53.47
					1983								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	71.00	-	-	-	-	-	-	-	71.00
Common all wts . . .	54.00	61.22	62.66	64.76	70.14	57.60	-	63.76	55.37	64.32	54.07	61.24	60.52
Feeders													
Good Steer Calves													
500-600 lbs	78.60	82.09	83.13	85.21	83.11	85.59	84.01	83.27	81.49	81.46	81.82	86.89	82.70
400-500 lbs	80.00	85.19	84.41	87.46	86.23	87.33	84.71	84.79	83.34	84.03	83.14	88.58	84.50
-400 lbs	82.16	85.59	86.70	88.02	87.43	86.11	87.51	87.46	85.31	85.25	86.22	90.23	86.33
Off Type -600 lbs. .	61.24	68.79	68.83	70.14	69.58	67.81	70.83	68.07	65.75	69.17	64.53	74.77	68.03
Good Heifer Calves													
400-500 lbs	71.06	73.83	74.98	76.00	76.90	77.51	73.56	74.80	75.02	74.26	75.77	78.76	75.35
300-400 lbs	69.79	74.66	75.19	76.77	77.70	78.89	74.56	76.42	74.88	75.54	77.28	77.65	76.00
-300 lbs	68.25	76.52	76.26	78.83	82.48	82.13	81.32	77.75	74.76	72.00	75.23	76.43	76.11
Off Type -500 lbs. .	53.18	61.70	61.82	62.45	61.53	60.82	57.02	62.00	55.37	58.02	59.48	65.83	59.49

Table 43
HOGS ON FARMS, JULY 1

Census Division	Breeding Stock 6 Months & Over		All Other Pigs		Total Pigs		
	1982	1983	1982	1983	1982	1983	1983 as % 1982
	- thousands -						%
1	2.7	3.0	22.1	23.6	24.8	26.6	107.3
2	16.6	17.9	131.1	126.6	147.7	144.5	97.8
3	6.6	6.8	50.5	56.5	57.1	63.3	110.9
4	2.2	2.2	15.2	16.0	17.4	18.2	104.6
5	11.9	12.1	91.8	93.7	103.7	105.8	102.0
6	6.4	6.5	52.7	52.7	59.1	59.2	100.2
7	8.0	7.7	62.2	60.9	70.2	68.6	97.7
8	22.2	22.3	165.9	168.0	188.1	190.3	101.2
9	-	-	-	-	-	-	-
10	14.9	15.5	118.3	120.0	133.2	135.5	101.7
11	12.6	13.9	98.6	107.4	111.2	121.3	109.1
12	7.6	7.5	56.6	64.7	64.2	72.2	112.5
13	14.7	14.2	109.3	111.3	124.0	125.5	101.2
14	0.7	0.4	3.5	3.0	4.2	3.4	81.0
15	5.9	6.0	39.2	39.6	45.1	45.6	101.1
Province	133.0	136.0	1,017.0	1,044.0	1,150.0	1,180.0	102.6

Table 44
HOG MARKETINGS

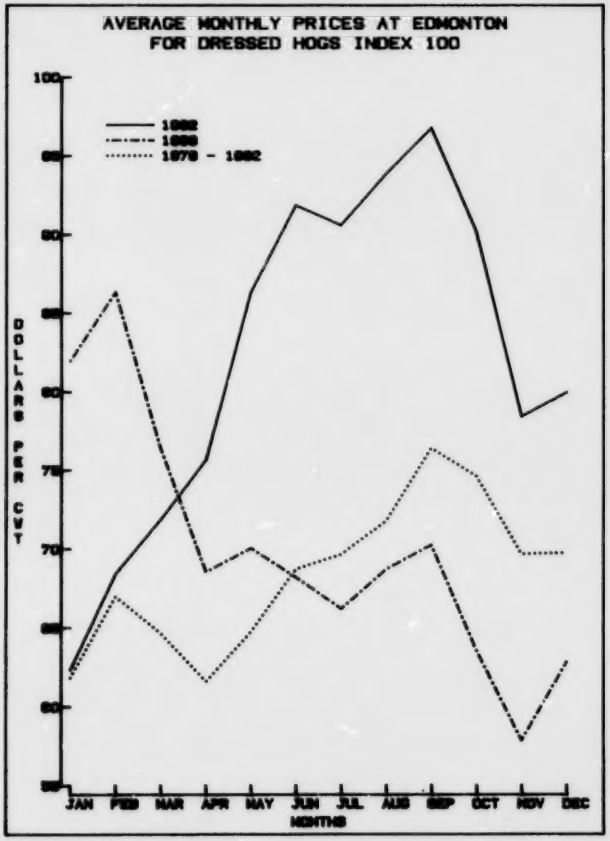
Month	114 & 113	112 & 110	108	107	105	103	102	100	98 & 97	95 93 & 92	90, 88 87 & 85
						- number -					
Jan	1,144	6,857	9,211	13,396	17,519	18,092	15,827	11,946	11,169	3,009	2,910
Feb	1,099	6,811	9,181	13,198	17,536	17,911	15,963	11,381	11,310	3,037	2,319
Mar	1,348	8,401	11,124	16,219	21,973	22,541	20,159	15,104	14,792	4,245	2,777
Apr	1,006	6,645	9,061	13,594	17,932	19,121	16,933	12,812	13,030	3,683	2,679
May	924	6,013	8,209	12,745	16,917	17,865	15,675	12,434	11,989	3,420	2,367
Jun	1,127	7,816	11,058	16,789	22,076	23,482	20,745	16,403	15,826	4,717	3,310
Jul	854	6,171	8,742	13,239	17,795	19,775	17,592	14,091	14,949	4,655	2,444
Aug	657	5,234	7,756	12,284	16,786	18,831	17,631	13,959	14,466	4,240	1,995
Sep	937	7,080	10,372	15,908	21,879	23,930	21,706	16,514	16,661	4,636	2,614
Oct	918	6,638	9,406	14,581	19,007	20,307	18,229	13,858	13,446	3,661	2,491
Nov	801	6,684	10,021	15,557	20,797	21,474	19,300	14,592	13,688	3,332	2,768
Dec	851	7,170	10,521	16,315	22,532	24,070	22,369	17,873	16,821	4,423	2,694
1983	11,666	81,520	114,662	173,825	232,749	247,399	222,129	170,967	168,147	47,058	31,368
1982	11,616	74,288	100,778	157,607	225,330	237,894	218,324	174,874	157,535	46,094	32,625
1981	7,248	54,023	86,695	151,603	218,994	258,009	238,700	199,726	180,917	47,227	34,921

Month	83, 82 80	Lights	Ridg-lings	Stags	Sows	Total Graded	Total Ungraded	Total	Export*
				- number -					
Jan	2,543	759	496	202	2,379	117,459	754	118,213	-
Feb	1,649	888	442	197	2,232	115,154	617	115,771	-
Mar	2,232	1,049	565	198	2,378	145,105	775	145,880	7,530
Apr	2,078	780	506	221	2,806	122,887	673	123,560	-
May	1,843	814	560	134	2,271	114,180	638	114,818	-
Jun	3,006	1,311	643	236	3,610	152,155	905	153,060	12,887
Jul	1,951	1,469	655	148	3,204	127,734	671	128,405	-
Aug	1,688	1,402	540	169	2,643	120,281	640	120,921	-
Sep	1,956	1,727	727	182	3,158	149,987	1,047	151,034	29,746
Oct	2,008	1,408	554	185	3,109	129,806	1,107	130,913	-
Nov	2,305	1,321	621	216	3,374	136,851	1,516	138,367	-
Dec	1,898	1,662	641	181	2,780	152,801	1,477	154,278	11,991
1983	25,157	14,590	6,950	2,269	33,944	1,584,400	10,820	1,595,220	62,154
1982	28,271	13,520	5,369	2,343	32,241	1,518,709	8,833	1,527,542	3,295
1981	31,734	19,227	5,581	2,407	34,964	1,571,976	8,771	1,580,747	24,686

* Estimated by Alberta Agriculture on a quarterly basis.

Table 45
AVERAGE MONTHLY HOG PRICES, ALBERTA

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
						1982							
Dressed: Index 100 .	62.36	68.44	71.88	75.68	86.35	91.87	90.61	93.87	96.77	90.19	78.44	79.98	82.23
Live Boars	22.23	22.82	23.06	24.73	26.91	31.26	31.94	33.36	34.04	38.66	37.43	33.13	29.96
Live Feeders 100+. .	61.01	63.20	66.84	69.18	77.14	82.43	78.19	79.87	84.77	71.08	60.16	83.75	73.14
						1983							
Dressed: Index 100	81.97	86.33	76.37	68.57	70.06	68.21	66.23	68.74	70.25	63.57	57.86	62.84	69.80
Live Boars	32.71	33.79	34.08	33.01	32.00	31.12	26.09	25.45	24.92	25.79	22.39	22.46	28.01
Live Feeders 100+	77.20	74.11	70.95	65.45	56.21	57.30	51.21	52.81	55.76	49.99	48.08	50.82	57.69


AVERAGE MONTHLY PRICES AT EDMONTON
FOR DRESSED HOGS INDEX 100
1982
1979 - 1982
DOLLARS PER CWT
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS

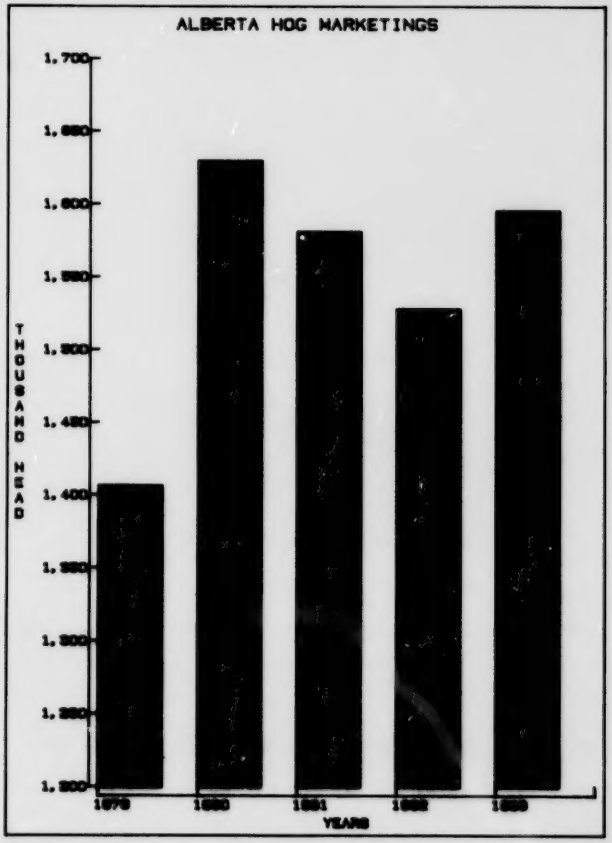

ALBERTA HOG MARKETINGS
THOUSAND HEAD
1,700
1,600
1,500
1,400
1979
1980
1981
1982
1983
YEARS

Table 46
SHEEP ON FARMS, JULY 1

Census Division	One Year & Older		Under One Year		Total Sheep		
	1982	1983	1982	1983	1982	1983	1983 as % 1982
	- thousands -						%
1	2.0	1.9	1.9	1.8	3.9	3.7	94.9
2	15.5	14.9	15.2	14.5	30.7	29.4	95.8
3	23.3	22.4	24.3	23.3	47.6	45.7	96.0
4	0.8	0.7	0.4	0.4	1.2	1.1	91.7
5	3.6	3.4	3.3	3.1	6.9	6.5	94.2
6	10.5	10.1	10.8	10.4	21.3	20.5	96.2
7	1.5	1.5	1.4	1.4	2.9	2.9	100.0
8	12.5	12.0	9.8	9.4	22.3	21.4	96.0
9	0.1	0.1	0.1	0.1	0.2	0.2	100.0
10	6.6	6.4	6.0	5.8	12.6	12.2	96.8
11	8.2	7.9	6.9	6.6	15.1	14.5	96.0
12	2.5	2.4	1.9	1.8	4.4	4.2	95.5
13	9.0	8.7	7.9	7.5	16.9	16.2	95.9
14	1.8	1.8	1.5	1.5	3.3	3.3	100.0
15	8.1	7.8	7.6	7.4	15.7	15.2	96.8
Province	106.0	102.0	99.0	95.0	205.0	197.0	96.1

Table 47
AVERAGE MONTHLY SHEEP PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
1982													
Lambs													
A & B 80 lbs+ . . .	60.00	62.79	64.39	64.75	65.00	76.00	67.91	60.63	50.57	51.97	53.72	57.33	56.35
C 50 lbs+	-	58.00	54.67	35.00	47.56	46.43	47.00	52.27	47.63	47.20	46.32	52.00	48.51
Feeders all wts . .	59.00	63.50	56.00	85.42	55.48	68.59	68.75	53.56	52.41	53.03	55.16	56.93	56.75
Sheep													
D1,2	47.00	40.94	45.38	42.34	27.50	36.30	36.38	29.51	38.64	31.30	36.89	33.01	35.97
D3,4	14.00	-	13.60	10.80	21.39	20.44	16.30	18.00	21.05	15.42	17.28	12.33	18.71
1983													
Lambs													
A & B 80 lbs+ . . .	65.73	70.00	69.08	72.77	73.00	60.00	52.94	51.20	54.45	58.32	59.76	64.14	59.28
C 50 lbs+	55.44	61.14	-	62.73	65.00	55.25	50.43	44.83	49.88	53.03	54.63	57.83	52.90
Feeders all wts . .	71.41	75.25	72.50	62.68	54.44	58.31	54.46	51.85	56.59	60.74	67.32	65.14	60.24
Sheep													
D1,2	38.71	43.68	33.23	32.08	-	20.27	27.82	25.39	30.13	26.93	28.42	33.49	28.96
D3,4	14.69	-	-	18.05	14.80	-	18.00	18.96	17.32	16.57	15.02	-	16.29

Table 48
SHEEP AND LAMB MARKETINGS

Month	Lambs						Sheep		Total	Delivered to		Direct Export*
	A & B 80+	A & B -80	New Crop	C 50+	C -50	Feeders	D1,2	D3,4		Yards	Plants	
	- number -											
Jan	3,686	138	-	29	-	2	114	44	4,013	-	4,013	-
Feb	5,473	566	-	44	23	-	127	48	6,281	-	6,281	-
Mar	4,521	968	-	132	60	-	205	81	5,967	-	5,967	417
Apr	2,038	298	-	12	160	-	386	177	3,071	-	3,071	-
May	1,097	229	-	36	16	-	333	200	1,911	-	1,911	-
Jun	4,532	961	-	14	16	-	623	188	6,334	-	6,334	35
Jul	4,008	925	-	3	44	-	764	167	5,911	-	5,911	-
Aug	4,677	1,049	-	-	19	-	575	225	6,545	241	6,304	-
Sep	9,283	917	-	252	19	-	752	197	11,420	995	10,425	81
Oct	7,731	425	-	89	44	-	270	74	8,633	-	8,633	-
Nov	5,437	820	-	45	49	-	441	165	6,957	-	6,957	-
Dec	6,383	864	-	95	20	-	544	95	8,001	317	7,684	302
1983	58,866	8,160	-	751	470	2	5,134	1,661	75,044	1,553	73,491	835
1982	57,456	6,917	7	1,966	956	5,913	4,889	3,587	81,691	15,964	65,727	3,631
1981	45,103	6,690	-	997	875	7,340	2,921	2,002	66,028	15,041	50,978	1,425

* Export data available on a quarterly basis only.

Table 49
LIVESTOCK ON FARMS, JULY 1*

Year	Milk Cows & Dairy Heifers	Beef Cows & Beef Heifers	Calves	All Cattle	Hogs	Sheep and Lambs
			- thousand head -			
1961	356.6	1,160.8	912.9	2,879.4	1,469.9	496.9
1962	349.0	1,188.0	925.0	2,899.0	1,190.0	469.0
1963	347.0	1,266.0	962.0	3,035.0	1,113.0	431.0
1964	340.0	1,419.0	1,018.0	3,320.0	1,302.0	400.0
1965	324.0	1,531.0	1,076.0	3,473.0	1,169.0	355.0
1966	294.1	1,480.5	1,079.6	3,439.7	1,092.7	301.4
1967	272.0	1,518.0	1,035.0	3,393.0	1,262.0	260.0
1968	252.0	1,479.0	1,018.0	3,341.0	1,266.0	210.0
1969	232.0	1,478.0	989.0	3,286.0	1,187.0	180.0
1970	233.0	1,600.0	1,070.0	3,493.0	1,532.0	199.0
1971	223.6	1,721.3	1,157.3	3,702.1	1,739.1	244.9
1972	210.0	1,864.0	1,225.0	3,924.0	1,490.0	256.0
1973	205.0	2,031.0	1,319.0	4,201.0	1,499.0	241.0
1974	200.0	2,219.0	1,434.0	4,595.0	1,322.0	230.0
1975	193.0	2,242.0	1,458.0	4,689.0	873.0	209.0
1976	214.0	2,168.0	1,435.0	4,675.0	879.9	183.0
1977	210.0	2,078.0	1,315.0	4,350.0	944.3	146.5
1978	209.0	1,960.0	1,239.0	4,135.0	960.0	142.5
1979	215.0	1,925.0	1,205.0	4,080.0	1,130.0	153.5
1980	224.0	1,951.0	1,290.0	4,155.0	1,251.0	178.0
1981	220.5	1,936.0	1,300.0	4,153.0	1,185.0	198.0
1982	214.0	1,901.0	1,230.0	4,021.0	1,150.0	205.0
1983	207.0	1,815.0	1,150.0	3,805.0	1,180.0	197.0

* Prior to 1975, estimates of livestock numbers based on June 1 survey.

Table 50
PER CAPITA CONSUMPTION OF MEATS IN CANADA

Year	Beef	Veal	Mutton & Lamb	Pork	Offals	Canned Meats	Poultry
				- kilograms -			
1961	32.0	3.1	1.6	22.8	2.0	2.0	14.1
1962	32.3	3.2	1.7	22.7	2.0	1.9	14.1
1963	33.7	2.9	1.8	23.0	1.8	2.0	15.0
1964	36.0	3.3	1.5	23.5	1.8	2.0	15.9
1965	37.9	3.8	1.3	21.7	1.6	2.4	16.6
1966	38.1	3.1	1.8	21.3	1.6	2.5	17.8
1967	37.7	3.2	1.9	24.7	1.8	2.8	18.5
1968	38.6	3.1	2.2	24.3	1.7	3.0	18.1
1969	38.8	2.3	2.3	23.3	1.7	3.4	20.0
1970	38.3	2.1	2.1	26.7	1.5	3.6	20.5
1971	40.2	2.0	1.5	29.5	2.0	*	19.7
1972	42.8	1.7	2.1	28.6	1.9	*	20.2
1973	42.0	1.5	1.6	26.9	1.8	*	20.9
1974	43.7	1.6	1.1	28.2	1.7	*	20.3
1975	48.5	2.4	1.3	24.1	1.7	*	19.0
1976	51.4	2.4	1.0	25.1	1.7	*	20.0
1977	48.8	2.3	0.8	25.1	1.6	*	20.7[1]
1978	45.7	1.8	0.9	26.0	1.9	*	21.3[1]
1979	39.9	1.4	1.1	29.0	1.4	*	22.8[1]
1980	39.5	1.4	0.8	31.3	1.9	*	22.8[1]
1981	40.7	1.6	0.7	30.1	1.4	*	22.6[1]
1982	40.4	1.7	0.7	27.8	1.3	*	22.7[1]
1983	40.1	1.7	0.8	28.6	1.4	*	22.9[1]

* Due to changes in source data, comparable information is not available.

[1] Does not include goose and duck.

DAIRY

There were an estimated 157,000 cows on farms in Alberta at Jauuary 1, 1984. This figure compares to 160,000 at January 1, 1983. Prior to July 1, 1979 the definition of a cow was any animal being kept for milk purposes over 24 months of age. This has been changed to all animals which have calved at least once.

Milk production during 1983-84 amounted to 559,747,000 litres, a decrease of 4.3% compared to the previous year. The estimated farm value of milk production was 246.7 million dollars.

Creamery butter production totalled 7.8 million kilograms and cheddar cheese 4.1 million kilograms. Fluid milk sales decreased to 227.8 million litres from 236.3 million litres.

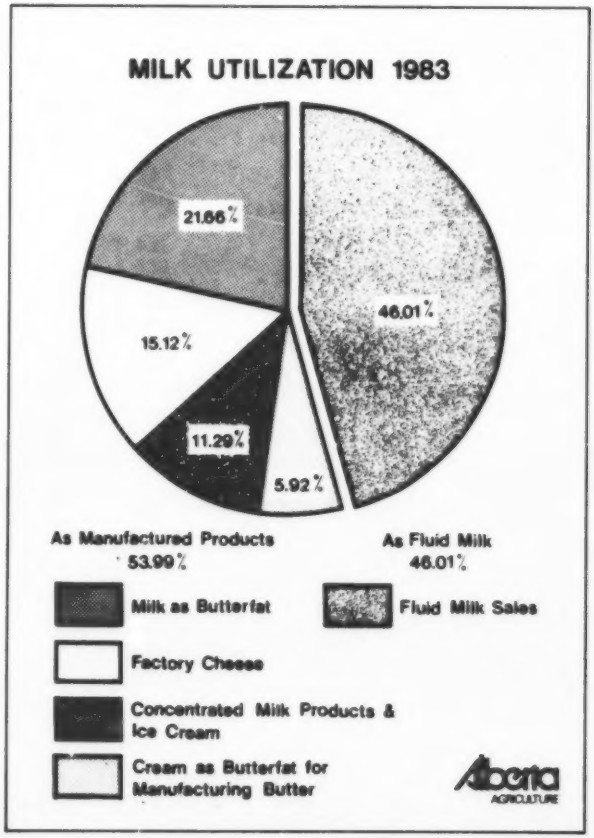


Table 51
DAIRY PRODUCER REGISTRATIONS

	Type of Producer			
	Fluid	Industrial	Cream	Total
1983	1,448	297	1,879	3,624
1984	1,398	275	1,564	3,237

Estimates at April 30th for 1983 and 1984

Table 52
FARM VALUE OF MILK PRODUCTION

	Year*	Production	Milk Equivalent	Total Milk	Price	Value
		'000 kg	'000 litres	%	$	$'000
Butterfat for Creamery Butter	1982-83	1 507	41 849	7.1	3.933/kg	5,927
	1983-84	1 193	33 130	5.9	4.101/kg	4,892
Milk Purchased for the Manufacture of Powder and Butter 1/	1982-83	4 494	124 846	21.3	34.02/hl	42,473
	1983-84	4 365	121 248	21.7	35.93/hl	43,564
Milk for Cheesemaking	1982-83		84 421	14.4	34.05/hl	28,745
	1983-84		84 632	15.1	35.99/hl	30,459
Milk for Concentrating and Milk and Butterfat for Ice Cream and Miscellaneous Products 2/	1982-83		68 352	11.7	35.81/hl	24,477
	1983-84		63 196	11.3	37.69/hl	23,819
Milk Purchased for Fluid Purposes	1982-83		265 562	45.4	45.38/hl	120,512
	1983-84		257 541	46.0	46.94/hl	120,890
Kept on Farms, Skimmilk for Creamery Butter	1982-83	37 664			14.40/100 kg	5,424
	1983-84	29,817			15.50/100 kg	4,622
Estimated Federal Subsidy	1982-83					18,661
	1983-84					18,475
Total	1982-83		585 030			246,219
	1983-84		559,747			246,721

* April - March
1 Includes milk used for the making of cottage cheese.
2 Does not include butterfat from creamery butter used in the manufacture of ice cream.

Table 53
PRODUCTION AND VALUE OF FACTORY DAIRY PRODUCTS

	Year*	Quantity	Price	Value
		'000	$	$'000
Creamery Butter (kilograms)	1982-83	8 475	4.762/kg	40,358
	1983-84	7 800	5.130/kg	40,014
Cheddar Cheese (kilograms)	1982-83	4 023	6.030/kg	24,259
	1983-84	4 160	6.367/kg	26,487
Cheese other than Cheddar (kilograms)	1982-83	3 651	5.082/kg	18,554
	1983-84	3 533	6.176/kg	21,820
Ice Cream[1] (litres)	1982-83	27 797	1.380/litre	38,360
	1983-84	30 891	1.570/litre	48,499
Fluid Milk Sales (litres)	1982-83	236 303	0.760/litre	179,590
	1983-84	227 777	0.800/litre	182,222
Fluid Cream Sales (litres)	1982-83	8 788	1.510/litre	13,270
	1983-84	8 768	1.580/litre	13,853
Fluid Skimmilk, Buttermilk and Chocolate Drink Sales (litres)	1982-83	24 690	0.830/litre	20,493
	1983-84	24 871	0.870/litre	21,638
Skimmilk and Buttermilk in Factories (kilograms)	1982-83	59 862	2.605/kg	155,941
	1983-84	61 658	2.800/kg	172,642
Whey in Factories (kilograms)	1982-83	68 305	nil	nil
	1983-84	75 709	nil	nil
Miscellaneous Manufactured Products[2]	1982-83			88,657
	1983-84			96,302
Total	1982-83			579,482
	1983-84			623,477

* April - March
1 Includes hard and soft ice cream.
2 Includes concentrated milk products, cottage cheese, whey cheese and yoghurt.

Table 54
MILK AND CREAM PRODUCTION IN KG OF BUTTERFAT

	Fluid Milk		Industrial Milk		Industrial Cream		Total	
	1981-82	1982-83	1981-82	1982-83	1981-82	1982-83	1981-82	1982-83
				- kilograms -				
August	1 484 076	1 595 294	162 436	152 140	179 240	171 263	1 825 752	1 918 697
September	1 417 389	1 476 255	115 117	138 199	161 115	148 709	1 693 621	1 763 163
October	1 391 916	1 461 750	119 464	128 919	134 001	120 396	1 645 381	1 711 065
November	1 331 652	1 383 464	117 597	119 009	105 170	98 074	1 554 419	1 600 547
December	1 418 910	1 460 495	133 387	123 728	98 932	82 639	1 651 229	1 666 862
January	1 446 185	1 502 062	135 779	127 183	90 651	78 788	1 672 615	1 708 033
February	1 330 816	1 369 900	124 491	114 752	86 278	72 686	1 541 585	1 557 338
March	1 506 886	1 525 047	147 061	126 220	114 256	92 971	1 768 203	1 744 238
April	1 487 156	1 487 184	155 787	124 757	134 309	97 636	1 777 252	1 709 577
May	1 609 168	1 569 821	146 041	133 085	146 201	121 131	1 901 410	1 824 037
June	1 618 943	1 546 172	151 641	132 403	180 552	135 286	1 951 136	1 813 861
July	1 625 401	1 515 490	154 962	127 736	180 214	115 907	1 960 577	1 759 133
Total	17 668 498	17 892 934	1 663 763	1 548 131	1 610 919	1 335 486	20 943 180	20 776 551

POULTRY AND EGGS

Poultry meat production in Alberta was down 4% in 1983 from year earlier levels to 51 957 tonnes, marking the first decrease since production levels started rising in 1975. There was a 3% decline in fowl and chicken meat output and a 7% decline in turkey meat output. The proportion consumed on farms remained steady at just below 2% of total production.

Estimated average monthly layer numbers in the province rose by 1%, to slightly over 45 million dozens. Prices received by producers for large and small classes of Grade A eggs increased consistently during the year. Prices for medium A eggs tended to fluctuate while the B and C grades remained relatively steady for most of the year.

The number of hatcheries declined from 16 to 15 but total hatchery capacity increased by 5% from 1982 to 6,587,144. The province continued to be without a breeder hatchery -- the last one terminated operations in 1981.

Chick production was down 7% in 1983 to 37,282,000. About 12% of these chicks were for egg production. The remainder were broiler types. Turkey poult production was up almost 4% from 1982 to 1,377,871.

Table 55
EGG PRICES TO PRODUCERS

	Grade AL	Grade AM	Grade AS	Grade B	Grade C
	- cents per dozen -				
	1982				
January	97	89	49	55	32
February	96	88	49	55	32
March	96	88	49	55	32
April	95	87	48	55	32
May	95	87	48	55	32
June	95	87	48	55	32
July	96	88	49	55	32
August	98	90	51	55	32
September	99	91	52	55	32
October	99	91	52	55	32
November	97	91	52	55	32
December	95	87	50	55	32
	1983				
January	93	87	48	55	32
February	94	84	49	55	32
March	95	84	50	55	28
April	96	84	51	55	28
May	97	89	52	55	28
June	98	88	50	55	28
July	99	84	51	55	28
August	101	84	51	55	28
September	102	85	52	55	28
October	104	90	57	55	28
November	106	89	56	60	33
December	108	91	58	60	33

Table 56
HATCHERY CAPACITIES

	Breeder Hatcheries	Commercial Hatcheries	Total Hatchery Capacity
		- number -	
1978	1	17	5,192,680
1979	1	17	5,257,784
1980	1	15	5,781,812
1981	0	16	6,250,004
1982	0	16	6,250,004
1983	0	15	6,587,144

Table 57
CHICK PRODUCTION

For Egg Production Type			For Broiler Production Type		
1982	1983	Change	1982	1983	Change
- number -		%	- number -		%
4,857,680	4,621,000	-4.9	35,227,842	32,661,000	-7.3

Table 58
CHICK DISPOSITION

	Hatch-ability	Hatched[1]	Not Sold[2]	Exported	Imported	Remaining In Province	Other[3]
				- number -			
1978	73.9	31,776,741	1,710,104	573,260	424,877	30,662,191	743,937
1979	74.4	36,178,404	1,748,817	800,055	560,597	35,045,154	855,025
1980	73.5	35,574,026	1,886,604	1,543,142	481,195	33,353,517	728,042
1981	75.8	39,581,372	2,102,561	1,839,112	446,036	36,883,584	797,849
1982	77.4	40,085,522	2,254,319	1,421,022	516,585	37,339,266	412,500
1983	75.8	37,282,000	2,070,071	619,598	455,681	35,048,012	520,524

[1] Includes both Leghorn and broiler chicks.
[2] The high number of chicks not sold is a result of Leghorn cockerels that are destroyed.
[3] Birds brought in from other provinces (not included in "Imports"). Includes started pullets

Table 59
POULT PRODUCTION

	Eggs Set	Eggs Imported	Hatched	Hatch-ability	Imported	Exported	Poults On Farms	Other*
		- number -		%		- number -		
1978	2,155,632	183,966	1,340,352	62.2	12,695	199,933	1,393,626	240,512
1979	2,939,327	393,642	1,871,335	63.7	10,682	405,129	1,804,081	327,193
1980	2,934,130	550,310	1,835,304	62.6	-	272,510	1,783,741	220,947
1981	2,244,185	614,151	1,444,563	64.4	-	223,230	1,514,267	292,934
1982	2,009,805	746,628	1,330,143	66.2	43,550	134,692	1,549,001	310,000
1983	2,066,000	976,600	1,377,871	66.7	64,654	135,107	1,598,000	290,582

* Poults brought in from other provinces (not included in "Imports").

Table 60
POULTRY EVISCERATED IN REGISTERED STATIONS

	Chickens		Fowl	Ducks	Geese	Turkeys			
	Under 2 kg	Over 2 kg				Under 5 kg	5-8 kg	Over 8 kg	Total
					- '000 kg -				
1978	26 328	903	480	0.9	2.7	1 707	2 485	3 552	7 744
1979	29 525	1 624	1 610	0.9	13.6	1 816	3 374	3 621	8 812
1980	29 215	1 356	1 809	1.8	9.1	2 153	3 122	4 153	9 428
1981	32 244	1 700	1 863	2.3	5.9	2 099	2 757	1 888	8 453
1982	34 409	2 501	2 059	-	6.0	1 914	3 487	3 203	8 724*
1983	33 317	2 003	1 836	0.4	7.1	1 784	3 605	3 185	8 671

* Includes mature turkey (120 000 kgs)

Table 61
PRODUCTION, DISTRIBUTION AND VALUE OF EGGS

1982

	Production		Disposition			
	Average Number of Layers	Production[1]	Sold for Market[2]	Value	For Hatching	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000
January	2,343	3,843	3,326	2,947	320	701
February	2,362	3,537	3,031	2,698	339	742
March	2,371	3,752	3,073	2,717	486	1,064
April	2,381	3,710	3,079	2,700	443	970
May	2,380	3,879	3,282	2,839	402	880
June	1,362	3,734	3,818	2,748	365	799
July	2,356	4,003	3,495	3,090	323	707
August	2,321	3,814	3,313	2,959	329	721
September	2,288	3,646	3,164	2,825	286	626
October	2,292	3,490	3,028	2,698	257	563
November	2,309	3,404	2,941	2,562	278	609
December	2,320	3,832	3,353	2,867	287	629
Year	2,340[3]	44,644	38,266	33,650	4,115	9,011

[1] Hatching eggs included.
[2] Hatching eggs not included.
[3] Weighted average of monthly estimates.

1983

	Production		Disposition			
	Average Number of Layers	Production[1]	Sold for Market[2]	Value	For Hatching	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000
January	2,353	3,798	3,330	2,877	288	708
February	2,390	3,587	3,084	3,692	321	790
March	2,402	3,799	3,225	2,841	382	940
April	2,413	3,620	3,010	2,682	424	1,043
May	2,411	3,936	3,392	3,026	362	891
June	2,383	3,773	3,203	2,831	382	940
July	2,364	4,001	3,572	3,172	243	598
August	2,352	3,849	3,364	3,007	307	755
September	2,325	3,706	3,260	2,983	260	640
October	2,309	3,600	3,103	2,892	310	763
November	2,315	3,536	3,073	2,901	281	691
December	2,322	3,874	3,393	3,250	298	733
Year	2,362[3]	45,079	39,009	35,154	3,858	9,492

[1] Hatching eggs included.
[2] Hatching eggs not included.
[3] Weighted average of monthly estimates.

Table 62
OUTPUT AND VALUE OF POULTRY MEATS

	Total Production		Consumed by Producers		Sold	
	Tonnes	Value $'000	Tonnes	Value $'000	Tonnes	Value $'000
			1982			
Fowl & Chicken	45 969	67,732	821	806	45 148	66,926
Turkey	8 046	14,370	159	284	7 887	14,086
Total	54 015	82,102	980	1,090	53 035	81,012
			1983			
Fowl & Chicken	44 474	66,240	815	928	43 659	65,312
Turkey	7 483	12,601	149	251	7 334	12,350
Total	51 957	78,841	964	1,179	50 993	77,662

APICULTURE

The 1983 honey crop was the largest ever recorded in Alberta. Favourable weather in most regions during the honey flow was the main reason for this record output. Total honey production was estimated at 11 391 tonnes, almost 39% more than the 8 210 tonnes produced in 1982.

The estimated number of beekeepers and colonies in the province declined slightly from 1,650 and 174,000 respectively in 1982 to 1,610 and 172,000 in 1983.

Honey yields were much higher in 1983 than in 1982 in northern areas and the peace region. In southern Alberta, yields declined because of very dry conditions that affected plant growth and nectar flows. Provincially, average yield was up 40 percent from a year earlier to 66 kg per hive.

Prices received by beekeepers for honey decreased to $1.32 per kg from $1.37 per kg in 1982. The value of honey and wax produced was $15.3 million, $3.8 million more than in 1982.

Table 63
BEEKEEPERS AND COLONIES

	Beekeepers	Colonies	Hives Per Apiary
		- number -	
1976	2,000	160,000	80
1977	1,800	165,000	92
1978	1,800	160,000	89
1979	1,700	150,000	88
1980	1,800	160,000	89
1981	1,700	170,000	100
1982	1,650	174,000	105
1983	1,610	172,000	107

Table 64
HONEY PRODUCTION AND PRICE

	Yield Per Hive	Total Production	Price
	kg	tonnes	$/kg
1976	58	9 290	0.82
1977	59	9 730	0.95
1978	57	9 072	1.12
1979	68	10 251	1.26
1980	64	10 306	1.28
1981	62	10 478	1.42
1982	47	8 210	1.37
1983	66	11 391	1.32

Table 65
HONEY AND BEESWAX VALUE

	Honey	Honey and Wax
	- dollars -	
1976	7,578,000	7,841,000
1977	9,224,000	9,712,000
1978	10,200,000	10,641,000
1979	12,882,000	13,368,000
1980	13,166,000	14,579,000
1981	14,934,000	15,339,000
1982	11,265,000	11,506,000
1983	15,029,000	15,300,000

FUR FARMS

Table 66
FUR FARM LICENSES

	1981-82	1982-83
	- number -	
Mink Std. & Mut	7	8
Fox	12	14
Mink & Fox	0	2
Chinchilla	9	9
Other	2	3
Total	30	36

Table 67
ANIMALS RETAINED FOR BREEDING

	No. of Animals		Total Value	
	1981-82	1982-83	1981-82	1982-83
			- dollars -	
Mink Std. & Mut.	20,619	15,110	618,570	453,300
Chinchilla	1,583	1,929	31,430	57,870
Fox	898	1,173	107,760	152,490
Other	0	4	0	1,600
Total	23,100	18,216	757,760	665,260

Table 68
ANIMALS PELTED

	Mink Pelts Produced	Mink Pelts Value
		-dollars-
1976-77	53,147	1,367,751
1977-78	51,395	1,429,322
1978-79	51,219	2,286,928
1979-80	49,389	2,388,452
1980-81	33,270	1,164,450
1981-82	34,117	1,023,510
1982-83	37,119	1,113,570

Table 69
ANIMALS EXPORTED

	No. of Animals		Total Value	
	1981-82	1982-83	1981-82	1982-83
			- dollars -	
Mink Std. & Mut.	34,117	37,119	1,023,510	1,113,570
Chinchilla	227	852	7,945	25,560
Fox	29	710	3,480	92,300
Total	34,373	38,681	1,034,935	1,231,430

CENSUS AND COMPARATIVE DATA

Table 70
CENSUS DATA

		1961	1971	1976*	1981*
Total Population	no.	1,331,944	1,627,874	1,838,037	2,237,724
Farm Population	no.	287,814	237,924	219,302	195,284
Per Cent on Farms	%	21.6	14.6	11.9	8.7
Number of Farms	no.	73,212	62,702	61,130	58,056
Average Size of Farm	ac.	645	790	817	813
Average Value of Agricultural Products Sold per Farm	$	n.a.	13,273	n.a.	56,236
Farm Classification:					
Under 3 Arces	%	0.3	0.3	0.3	0.5
3 - 9 Acres	%	0.9	1.1	0.9	1.0
10 - 69 Acres	%	2.5	4.0	5.8	5.8
70 - 239 Acres	%	21.1	16.9	18.9	21.4
240 - 399 Acres	%	26.5	20.1	17.8	16.2
400 - 559 Acres	%	16.1	14.6	13.0	11.8
560 - 759 Acres	%	11.5	13.1	11.9	11.0
760 - 1,119 Acres	%	10.2	13.5	13.4	13.1
1,120 - 1,599 Acres	%	5.4	7.7	8.2	8.6
1,600 - 2,239 Acres	%	2.5	4.0	4.3	4.9
2,240 - 2,879 Acres	%	1.0	1.7	2.0	2.1
2,880 Acres and Over	%	2.0	3.0	3.5	3.6
Farm Operated by:					
Owner	%	59.1	59.3	60.4	58.3
Tenant	%	9.2	6.7	6.3	6.3
Owner-Tenant	%	31.1	34.0	33.3	35.5
Manager	%	0.6	1/	1/	1/

		1961	1971	1976*	1981*
Age of Farm Operators:					
Under 25 Years	%	3.2	2.5	3.6	3.5
25 - 34 Years	%	16.2	14.2	16.3	17.9
35 - 44 Years	%	25.5	24.1	24.0	23.5
45 - 54 Years	%	25.6	28.6	27.1	26.0
55 - 59 Years	%	11.5	11.5	11.3	11.3
60 - 64 Years	%	8.3	9.1	8.5	8.7
65 - 69 Years	%	5.1	5.8	5.0	5.2
70 Years and Over	%	4.6	4.2	4.2	3.9
Average Age of Farm Operator	yrs.	47	49	47	46
Occupied Farm Land	'000 ac.	47,229	49,506	49,929	47,218
Improved Farm Land	'000 ac.	25,289	28,460	29,302	30,951
Field Crops	'000 ac.	15,615	18,092	18,877	20,859
Wheat Total	'000 ac.	5,633	3,443	5,545	6,705
(Durum)	'000 ac.	(189)	(242)	(n.a.)	(506)
Oats for Grain	'000 ac.	2,642	1,864	1,794	1,311
Barley	'000 ac.	2,867	5,689	5,630	6,433
Mixed Grain	'000 ac.	374	419	268	145
Fall Rye	'000 ac.	149	226	) 181	241
Spring Rye	'000 ac.	25	24	)	52
Flaxseed	'000 ac.	362	271	73	102
Canola/Rapeseed	'000 ac.	307	1,988	740	1,455
Tame Hay	'000 ac.	2,477	3,260	3,850	3,481
Other Fodder	'000 ac.	621	733	659	748
Sugar Beets	'000 ac.	41	43	42	36
Other Crops	'000 ac.	117	132	95	150
Improved Pasture	'000 ac.	1,670	2,745	3,278	3,908
Summerfallow	'000 ac.	7,450	7,009	6,494	5,450
Other Improved Land	'000 ac.	554	614	653	734
Unimproved Land	'000 ac.	21,940	21,046	20,627	16,267

		1961	1971	1976*	1981*
Livestock and Poultry:					
Cattle	'000 head	2,879	3,702	4,614	4,193
Pigs	'000 head	1,470	1,816	878	1,199
Sheep	'000 head	497	245	189	201
Horses	'000 head	113	89	90	119
Hens and Chickens	'000 head	9,205	7,923	7,981	9,190
Turkeys	'000 head	1,184	896	822	903
Ducks	'000 head	93	112	108	129
Geese	'000 head	90	78	64	68
Farm Machinery:					
Tractors	no.	102,624	111,256	118,987	124,214
Grain Combines	no.	38,530	42,373	42,984	42,663
Grain Binders	no.	32,476	-	-	-
Threshing Machines	no	13,006	-	-	-
Swathers	no.	27,805	40,749	44,227	47,601
Motor Trucks	no.	71,508	93,471	112,836	123,835
Farm Capital:					
Land and Building	$'000	1,715,367	3,530,252	10,627,528	29,961,159
Machinery and Equipment	$'000	550,876	867,446	2,110,053	4,362,215
Livestock and Poultry	$'000	451,254	803,855	1,124,065	2,503,766
Total Capital Value	$'000	2,717,497	5,201,553	13,861,646	36,827,140
Average Per Farm	$'000	37	83	227	634

[1] In the 1971 Census, a hired manager was asked to report whether the land operated by him was owned or rented by his employer. This was a change from previous censuses wherein a farm operated by a hired manager was classified as being managed rather than owned or rented.

* The 1976 and 1981 census-farm definition differs from that used in previous censuses. To help users relate to previous censuses, the data in this report represents "all agricultural holdings".

Table 71
COMPARATIVE STATISTICS

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
		CENSUS STATISTICS 1981		
Total Population	no.	2,237,724	52.9	9.2
Farm Population	no.	195,284	40.6	18.1
Number of Farms	no.	58,056	37.5	18.2
Total Land Area	ac.	157,710,720	36.3	6.9
Occupied Farm Land	ac.	47,218,170	36.3	29.0
Per Cent of Total Land Occupied	%	29.9	-	-
Improved Land	ac.	30,951,142	33.2	27.2
Unimproved Land	ac.	16,267,083	44.0	33.3
		CROP AREA 1983		
Winter Wheat	ac.	300,000	100.0	34.7
Spring Wheat	ac.	6,900,000	23.6	23.4
Durum Wheat	ac.	500,000	14.3	14.3
All Wheat	ac.	7,700,000	23.3	22.7
Oats for Grain	ac.	1,150,000	45.1	33.2
Barley for Grain	ac.	5,250,000	53.0	47.6
All Rye	ac.	270,000	29.0	25.6
Mixed Grains	ac.	150,000	44.1	11.9
Flaxseed	ac.	60,000	5.4	5.4
Canola/Rapeseed	ac.	2,500,000	45.0	43.5
Corn for Grain	ac.	12,000	5.7	0.4
Peas,dry	ac.	14,000	9.1	9.1
Lentils	ac.	2,000	1.7	1.7
Mustard Seed	ac.	65,000	28.9	28.9
Tame Hay	ac.	3,700,000	54.8	28.5
Fodder Corn	ac.	24,000	32.4	2.6
Sugar Beets	ac.	32,000	53.5	41.8
Potatoes	ac.	18,500	30.9	6.6
Summerfallow	ac.	4,900,000	22.2	22.2

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
LIVESTOCK ON FARMS, JULY 1, 1983				
Bulls	no.	85,000	53.5	34.0
Milk Cows and Heifers	no.	207,000	48.5	8.5
Beef Cows and Heifers	no.	1,510,000	51.5	38.3
Heifers for Slaughter	no.	305,000	67.0	39.6
Steers	no.	548,000	63.1	34.9
Calves	no.	1,150,000	49.9	31.9
Total Cattle and Calves	no.	3,805,000	53.3	29.2
Hogs - Breeding Stock 6 Months and Over	no.	136,000	44.7	12.2
All Other Pigs	no.	1,044,000	45.5	11.9
Total Hogs	no.	1,180,000	45.4	12.0
Sheep One Year and Over	no.	102,000	63.9	22.6
Lambs Under One Year	no.	95,000	65.7	26.5
Total Sheep and Lambs	no.	197,000	64.8	24.4

Table 72
CANADIAN - METRIC CONVERSIONS

AREA		
1 hectare	2.47109	acres
	0.00368	square mile
1 square kilometre	0.36810	square mile
1 acre	0.40468	hectare
1 square mile (640 acres)	259	hectares
	2.59	square kilometres
1 arpent	0.871	acre
WEIGHT		
1 kilogram	2.2046	pounds
1 tonne (1 000 kg)	2204.622	pounds
	22.046	short hundred-weights
	19.684	long hundred-weights
	1.10231	short tons
	0.98420	long ton
1 pound	0.45359	kilogram
1 short hundredweight (100 lb.)	0.045359	tonne
1 long hundredweight (112 lb.)	0.050802	tonne
1 short ton (2,000 lb.)	0.90718	tonne
1 long ton (2,240 lb.)	1.01605	tonne

Table 73
WEIGHT EQUIVALENTS OF SELECTED COMMODITIES

Wheat		
1 bushel	0.027216	tonne
1 tonne	36.744	bushels
Oats		
1 bushel	0.015422	tonne
1 tonne	64.842	bushels
Barley		
1 bushel	0.021773	tonne
1 tonne	45.930	bushels
Rye, Flaxseed and Corn		
1 bushel	0.0254	tonne
1 tonne	39.368	bushels
Canola/Rapeseed		
1 bushel	0.02268	tonne
1 tonne	44.092	bushels
Mixed Grain		
1 bushel	0.020412	tonne
1 tonne	48.992	bushels

Table 74
PRINCIPAL FIELD CROPS IN METRICS

Census Division	Area		Yield Per Hectare		Production	
	1982	1983	1982	1983	1982	1983
	- hectares -		- tonnes -		- tonnes -	
			ALL WHEAT			
1	251 000	285 000	2.09	2.11	524 000	601 000
2	368 000	403 000	2.44	2.42	899 000	975 000
3	139 000	158 000	2.00	1.87	278 000	296 000
4	248 000	265 000	1.79	1.84	444 000	489 000
5	435 000	485 000	2.34	2.22	1 019 000	1 079 000
6 & 9	110 000	126 000	2.64	2.48	290 000	312 000
7	399 000	428 000	2.37	2.05	946 000	879 000
8	32 000	49 000	2.69	2.88	86 000	141 000
10	325 000	372 000	2.27	2.05	738 000	762 000
11	54 000	56 000	2.42	2.34	131 000	131 000
12	44 000	53 000	2.07	2.24	91 000	119 000
13) 14) 15	55 63 312 000	63 000 373 000	2.20 1.52	2.24 2.36	121 000 475 000	141 000 879 000
Province	2 772 000	3 116 000	2.18	2.18	6 042 000	6 804 000
			OATS FOR GRAIN			
1	8 000	8 000	2.25	1.88	18 000	15 000
2	9 000	6 000	2.78	2.83	25 000	17 000
3	17 000	19 000	2.00	1.63	34 000	31 000
4	41 000	38 000	1.83	1.82	75 000	69 000
5	17 000	13 000	2.35	2.31	40 000	30 000
6 & 9	38 000	37 000	2.74	2.46	104 000	91 000

Census Division	Area 1982	Area 1983	Yield Per Hectare 1982	Yield Per Hectare 1983	Production 1982	Production 1983
	- hectares -		- tonnes -		- tonnes -	
			OATS FOR GRAIN (cont'd.)			
7	79 000	59 000	2.56	2.17	202 000	128 000
8	34 000	32 000	2.62	2.84	89 000	91 000
10	102 000	74 000	2.53	2.09	258 000	155 000
11	58 000	51 000	2.69	2.25	156 000	115 000
12	53 000	45 000	2.23	2.33	118 000	105 000
13) 14)	55 000	48 000	2.49	2.38	137 000	114 000
15	55 000	35 000	1.84	2.51	101 000	88 000
Province	566 000	465 000	2.40	2.26	1 357 000	1 049 000
			BARLEY FOR GRAIN			
1	22 000	18 000	2.68	2.61	59 000	47 000
2	131 000	116 000	3.22	3.17	422 000	368 000
3	182 000	157 000	2.44	2.13	445 000	334 000
4	14 000	15 000	2.28	2.27	32 000	34 000
5	172 000	160 000	2.98	2.75	513 000	440 000
6 & 9	249 000	224 000	3.07	2.86	764 000	641 000
7	135 000	108 000	2.97	2.44	401 000	264 000
8	304 000	272 000	2.76	3.05	839 000	830 000
10	287 000	236 000	2.96	2.06	850 000	486 000
11	232 000	206 000	2.89	2.02	671 000	417 000
12	109 000	96 000	2.59	2.43	282 000	233 000
13) 14)	209 000	187 000	2.59	2.19	541 000	410 000
15	463 000	330 000	1.87	2.38	865 000	787 000
Province	2 509 000	2 125 000	2.66	2.49	6 684 000	5 291 000

A.R.A.	Area		Yield Per Hectare		Production	
	1982	1983	1982	1983	1982	1983
	- hectares -		- tonnes -		- tonnes -	
			FLAXSEED			
1	6 700	2 600	1.36	1.31	9 100	3 400
2	30 300	12 300	1.38	1.23	41 700	15 100
3	3 600	1 400	1.17	1.00	4 200	1 400
4A	6 500	2 600	1.37	1.12	8 900	2 900
4B	3 000	1 200	1.13	1.00	3 400	1 200
5	1 000	400	1.40	1.00	1 400	400
6	1 900	800	1.16	1.00	2 200	800
7	7 700	3 000	0.69	0.93	5 300	2 800
Province	60 700	24 300	1.26	1.15	76 200	28 000
			CANOLA / RAPESEED			
1	3 000	3 900	1.30	1.23	3 900	4 800
2	54 700	62 600	1.49	1.35	81 700	84 800
3	47 600	65 200	1.48	1.25	70 300	81 500
4A	118 200	164 500	1.58	1.21	187 400	199 000
4B	178 300	227 500	1.35	1.05	240 200	238 600
5	103 100	139 700	1.34	1.26	138 600	175 800
6	44 900	69 200	1.12	0.97	50 400	67 200
7	219 100	279 100	0.92	0.93	202 500	259 300
Province	768 900	1 011 700	1.27	1.10	975 000	1 111 000
			FALL RYE			
1-3	74 700	76 500	2.03	2.18	151 500	167 000
4A-6	16 200	14 400	1.92	1.90	31 200	27 400
7	2 200	2 100	1.23	1.76	2 700	3 700
Province	93 100	93 000	1.99	2.13	185 400	198 100

A.R.A.	Area		Yield Per Hectare		Production	
	1982	1983	1982	1983	1982	1983
	- hectares -		- tonnes -		- tonnes -	
			SPRING RYE			
1-3	10 700	7 200	1.58	1.44	16 900	10 400
4A-6	13 200	8 800	1.95	1.66	25 700	14 600
7	400	200	1.50	1.66	600	400
Province	24 300	16 200	1.78	1.57	43 200	25 400
			ALL RYE			
1-3	85 300	83 700	1.97	2.12	168 400	177 400
4A-6	29 500	23 200	1.93	1.81	56 900	42 000
7	2 500	2 400	1.32	1.71	3 300	4 100
Province	117 300	109 300	1.95	2.04	228 600	223 500
			TAME HAY			
1	62 400	62 400	4.11	4.26	256 700	265 700
2	114 100	108 300	6.08	5.99	694 400	648 300
3	168 700	161 200	3.80	2.63	640 500	424 100
4A	68 000	61 900	3.46	3.25	235 400	201 400
4B	82 800	82 500	3.60	3.87	298 500	319 200
5	342 100	351 700	4.48	4.68	1 531 000	1 645 500
6	350 100	373 100	3.69	4.31	1 292 400	1 609 600
7	228 200	296 200	2.56	4.79	584 900	1 418 200
Province	1 416 400	1 497 300	3.91	4.36	5 533 800	6 532 000
			OTHER CROPS			
Winter Wheat	81 000	121 000	2.46	2.36	199 000	286 000
Durum Wheat	182 000	202 000	2.09	2.02	381 000	408 000
Mixed Grains	60 700	60 700	2.68	2.55	163 000	155 000
Corn for Grain	4 400	4 800	5.43	6.62	23 900	31 800
Peas, dry	5 300	5 700	2.87	2.58	15 200	14 700
Lentils	4 000	800	1.02	0.88	4 100	700
Mustard Seed	20 200	26 300	1.35	0.95	27 200	24 900
Potatoes	7 300	7 500	26.29	26.61	191 900	199 600
Sugar Beets	12 300	12 900	38.62	44.19	475 000	570 000
Fodder Corn	10 100	9 700	40.40	43.20	408 000	419 000

SOURCES AND METHODS

The general procedure used in preparing this yearbook has remained similar since 1972. A large percentage of the material presented for the current year was based on estimates derived from sample data. Users are reminded that the data is subject to revision.

INCOME

Farm income data on a provincial basis are derived by Alberta Agriculture in conjunction with Statistics Canada.

Farm wages are obtained from Statistics Canada's publication 21-202.

Food and Beverage Statistics were developed by the Alberta Bureau of Statistics.

The Edmonton Food Price Index and Alberta Average farm input prices were developed from data collected and assembled by Alberta Agriculture Further information is available through the Statistics Branch, Alberta Agriculture.

CROPS

Total production value includes all crops grown on farms in the current year for sale, feed, seed and home consumption at the prevailing market prices during the crop year. The method of disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. Production value for each crop represents value to the producer.

Prices used to calculate value of production are those which farmers receive at the shipping point less freight, handling and other marketing charges. Transportation costs incurred by farmers themselves in delivering grain to elevators are included with farm expenses. The estimated final prices are subject to revision after all relevant sales and payments are made.

Major crop areas are estimated by Statistics Canada in cooperation with Alberta Agriculture. Minor crops, such as sugar beets and mustard seed are estimated through contacts with dealers, processors, and Alberta Agriculture field staff. Estimates are for seeded acres in most cases, and yields are reported on the land devoted to the crop at seeding time except oats and barley which are based on harvested areas. The November estimates (Statistics Canada 22-002) contain the latest area and yield estimates.

Statistics Canada, Agriculture Division developed yields of major crops through surveys.

Hail and crop insurance data were obtained from Alberta Hail and Crop Insurance Corporation. Wheat Board Payments are reported by the Canadian Wheat Board. Lakehead selling prices are recorded by the Canadian Grain Commission. Non Board prices for the major centres in the province are those developed through the Alberta Feed and Forage Exchange.

Forage seed data are from Plant Production Division, Agriculture Canada and the Plant Industry Division, Alberta Agriculture.

Dry bean statistics were provided by the Pulse Growers Association of Alberta.

Fertilizer sales volumes were provided by Western Canada Fertilizer Association.

LIVESTOCK

Market and quality data for cattle, hogs and sheep are obtained from the Agriculture Canada publication "Canadian Livestock and Meat Trade Report." Prices pertain to stockyard sales.

Data on insemination and brand inspection were obtained from Animal Industry Division, Alberta Agriculture.

Dairy statistics are obtained from the Dairy Division, Alberta Agriculture.

Monthly poultry prices are the average of recorded weekly prices from Canada Department of Agriculture. Production values for eggs were obtained from Statistics Canada, publication 23-202. Data on hatchery capacity, chick production and disposition, poult production and poultry eviscerated in registered stations were supplied by Poultry Branch, Alberta Agriculture.

OTHER PRODUCTS

Alberta Agriculture in cooperation with Statistics Canada produce honey estimates.

Fur data are obtained from the Animal Health Division.